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Figure 1

Mouse KCC3

Full-length cDNA



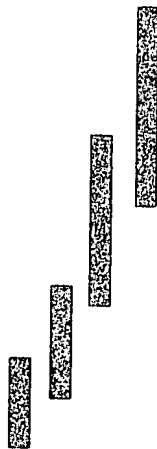
I.M.A.G.E. cDNAs (EST)

RT-PCR cDNAs



KCC3a

KCC3b



Human KCC3

Full-length cDNA



TIGR cDNA (EST)

5'-RACE cDNA



Muscle cDNA - KCC3a

RT-PCR cDNAs



KCC3b

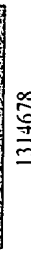
Mouse KCC4

Full-length cDNA



IMAGE cDNAs (ESTs)

RT-PCR cDNA



5'-RACE cDNAs

RT-PCR cDNAs



Human KCC4

Full-length cDNA



IMAGE/TIGR cDNAs (ESTs)

RT-PCR cDNAs



Human KCC2

Full-length cDNA

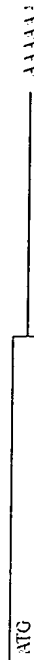


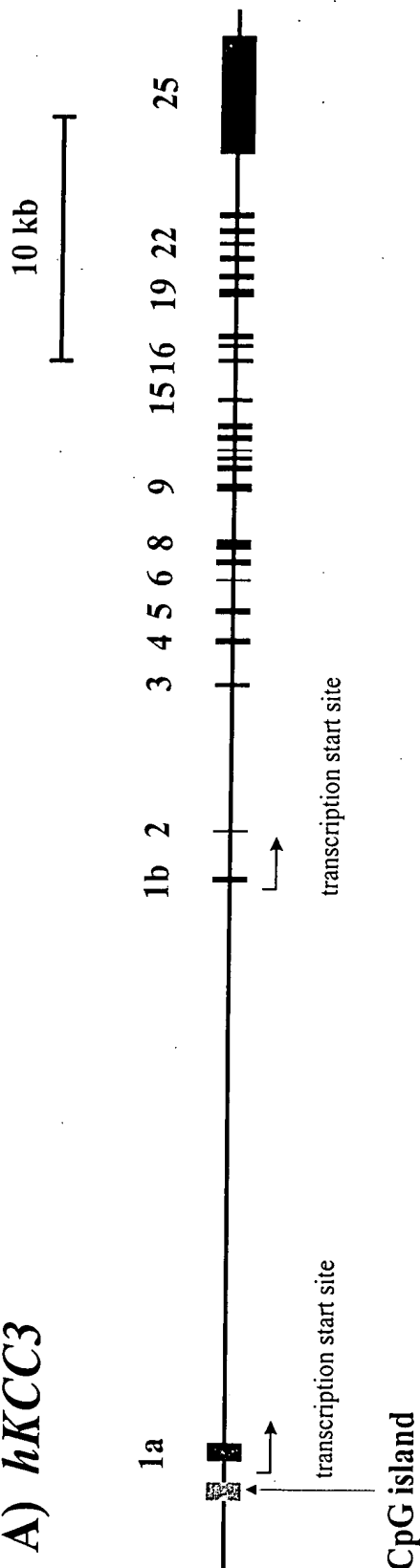
IMAGE cDNAs (ESTs)

RT-PCR cDNAs



Figure 2

A) *hKCC3*



B) *hKCC4*

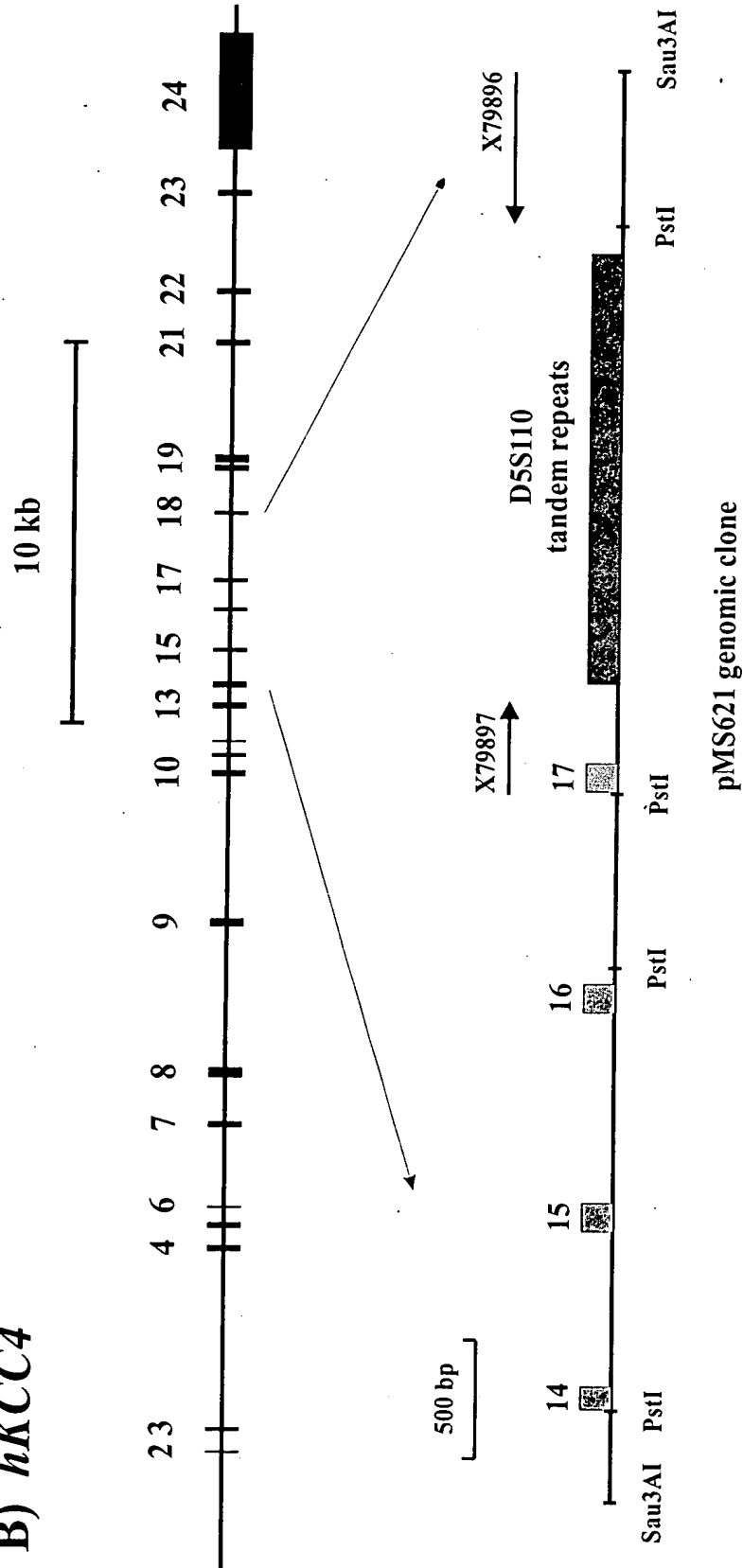
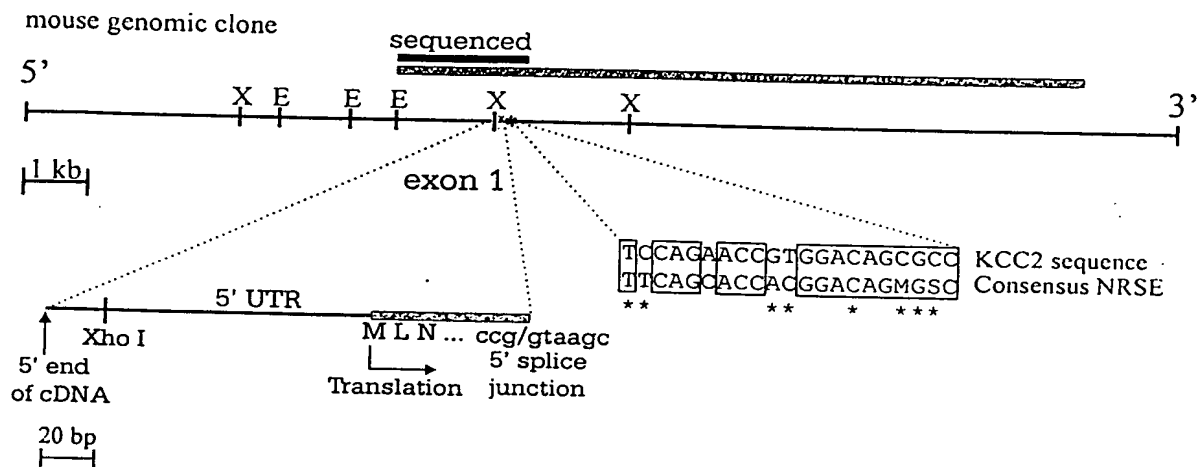
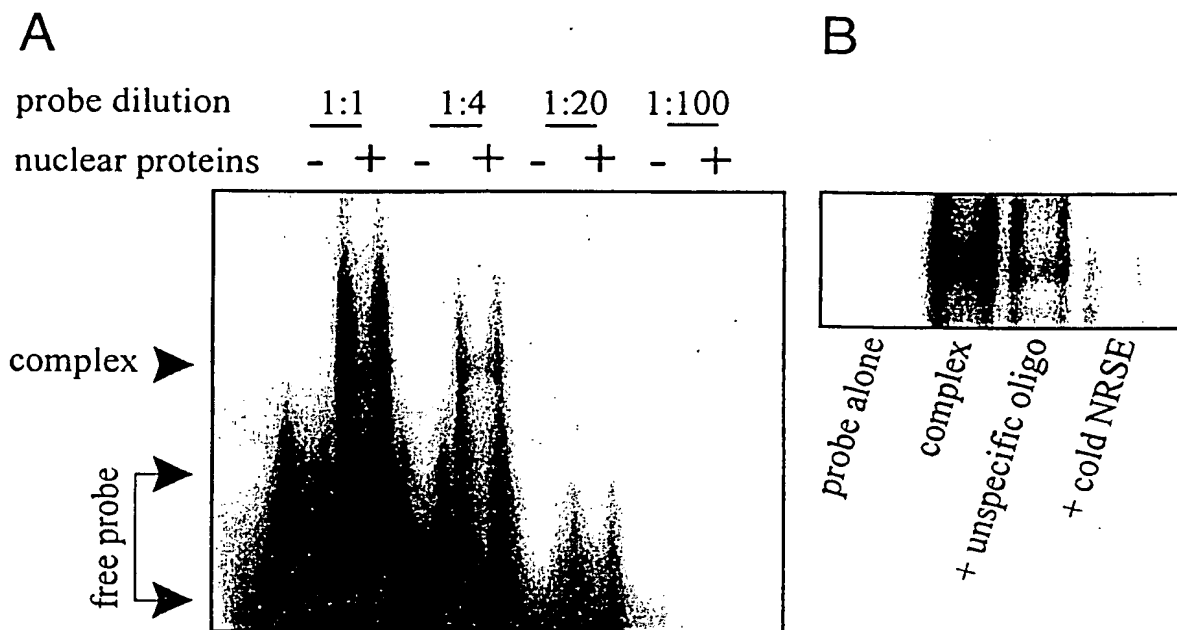


Figure 3



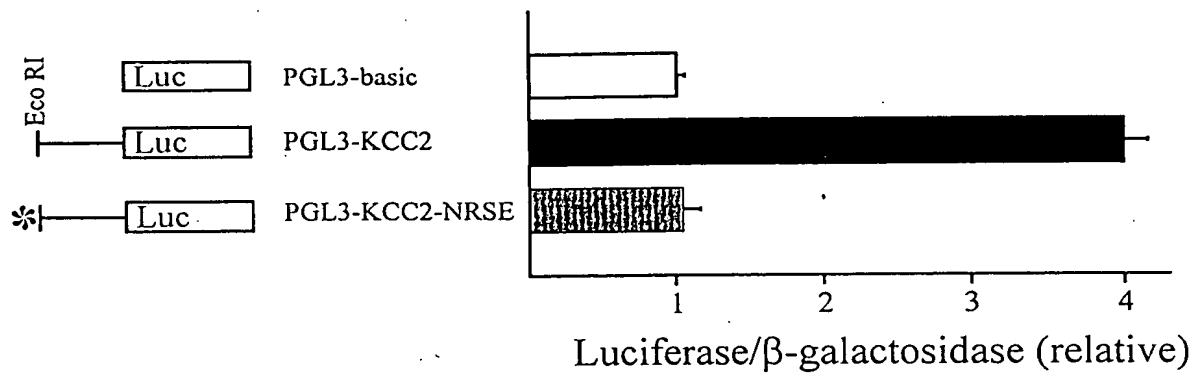
003597E-041E01

Figure 4



0935976-041601

Figure 5



098597-04160

Figure 6

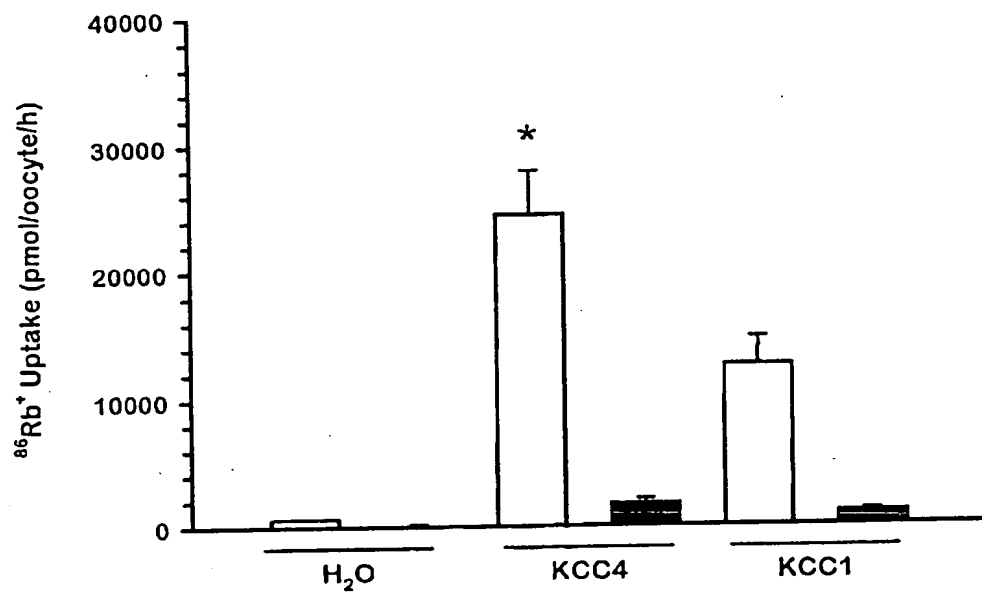
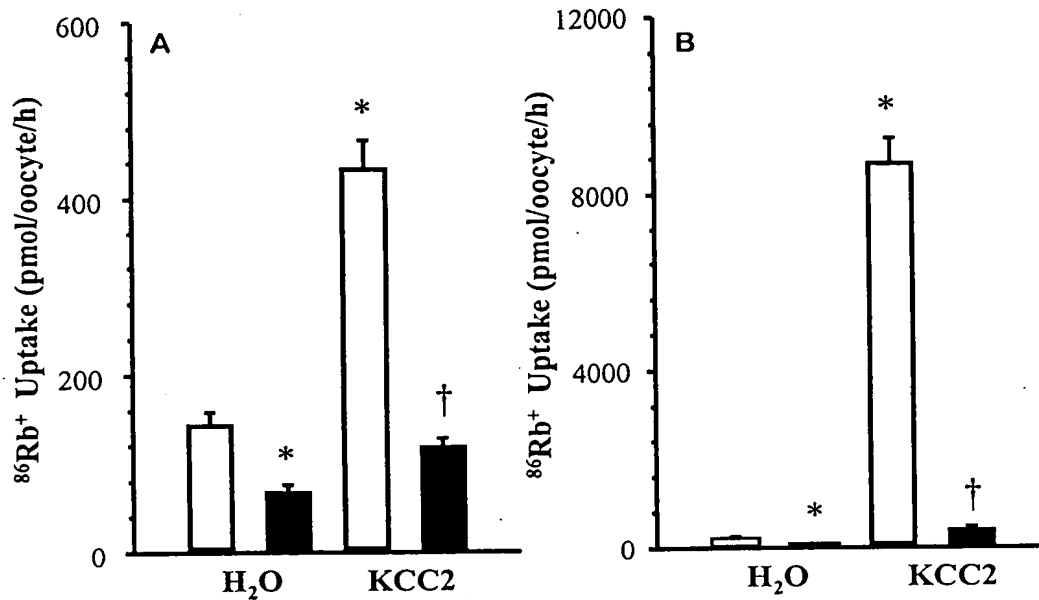


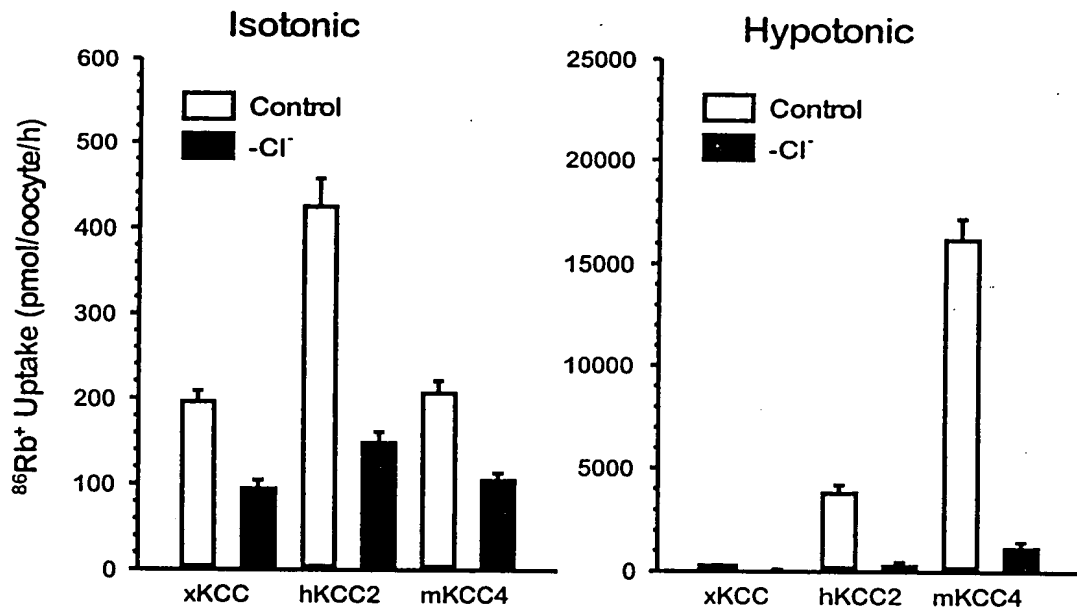
FIG. 6

Figure 7



095597-0400

Figure 8



0959740-9/658860

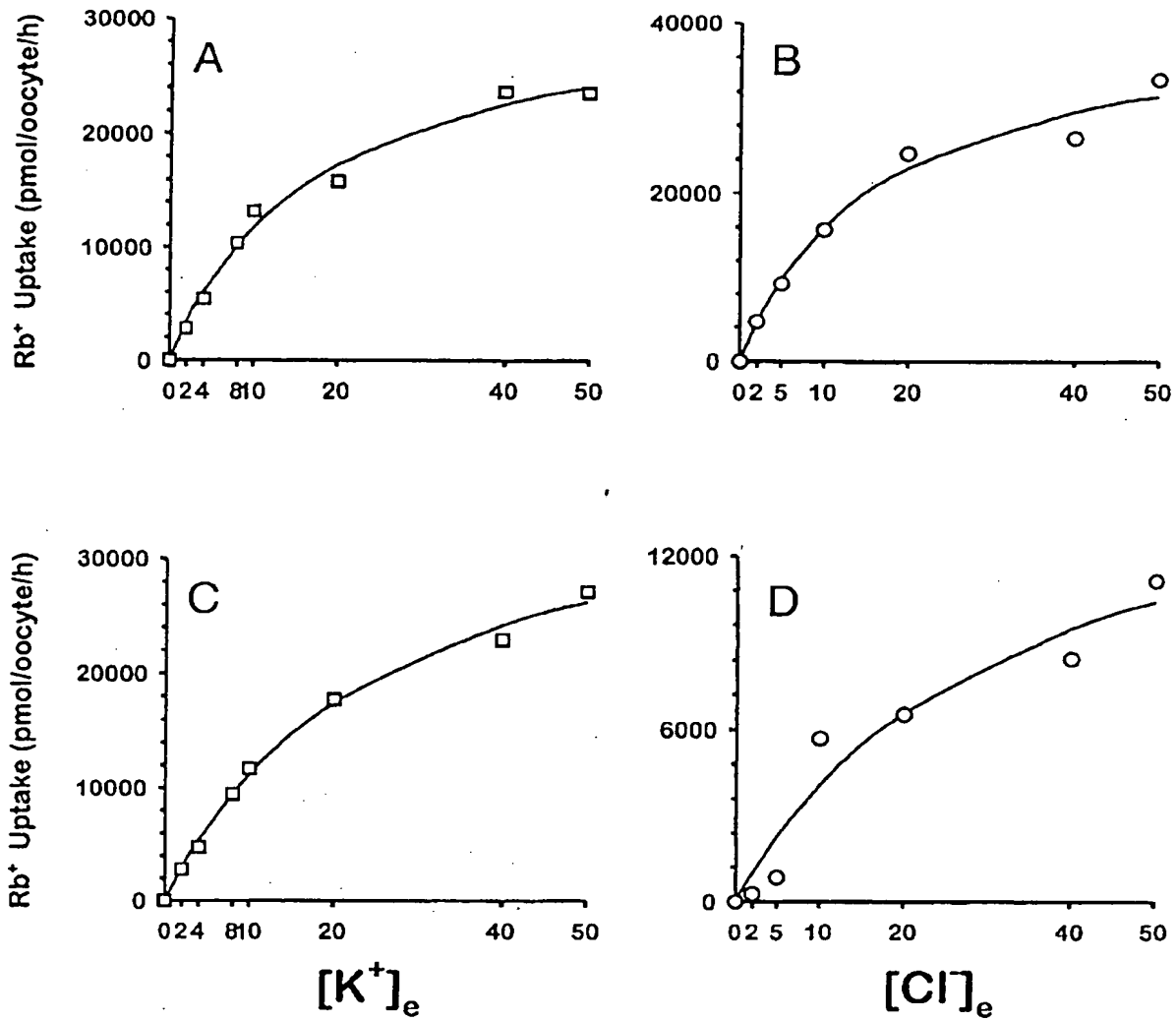
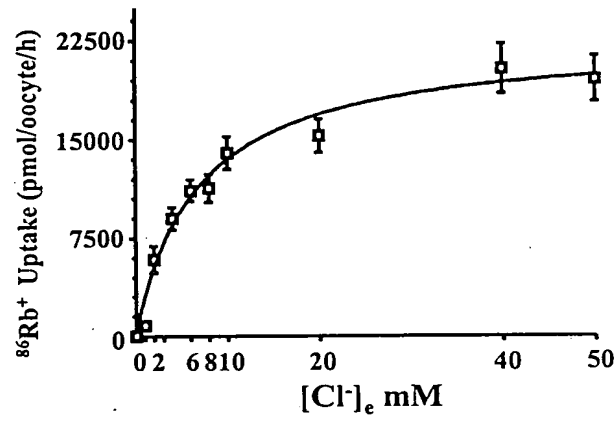
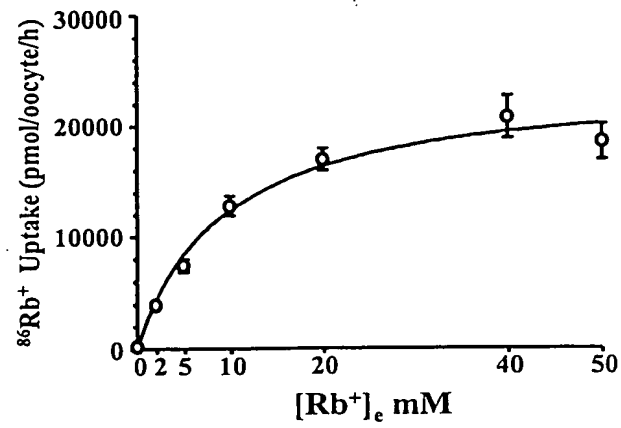


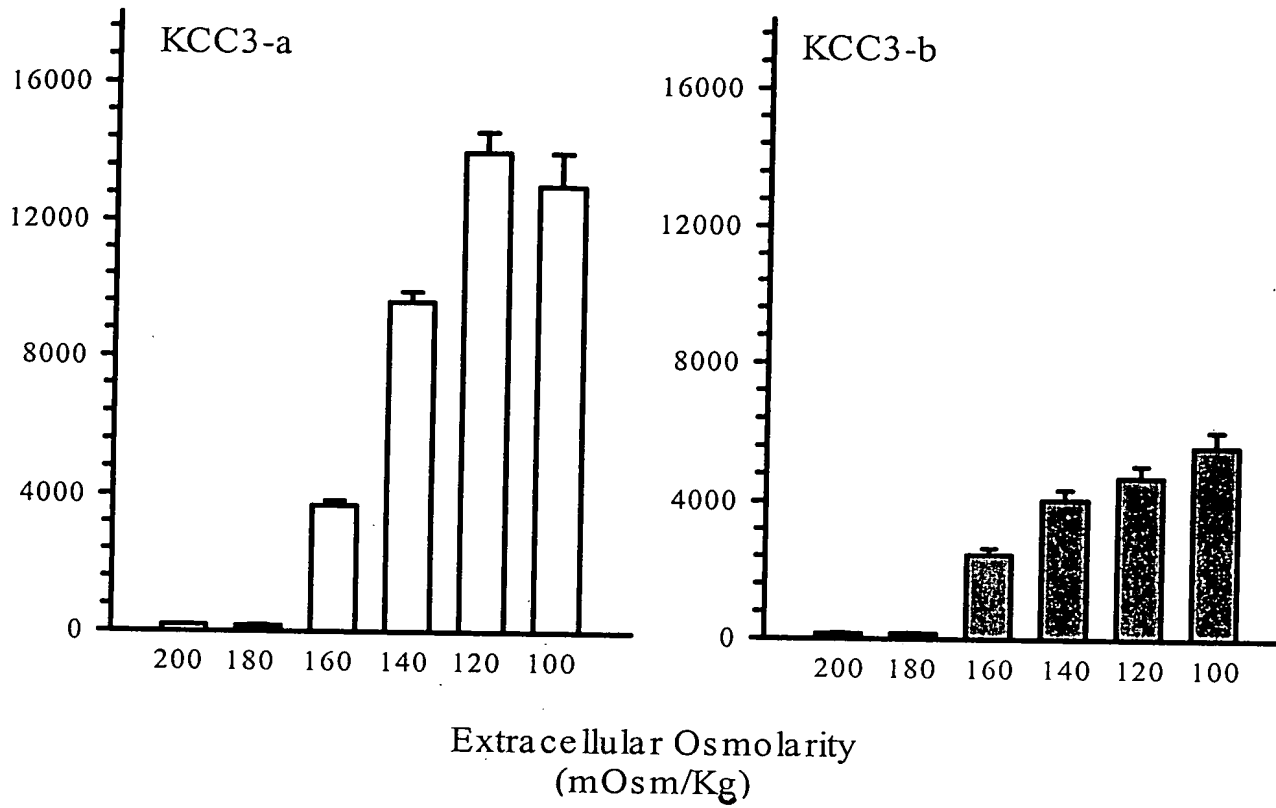
Figure 9

Figure 10



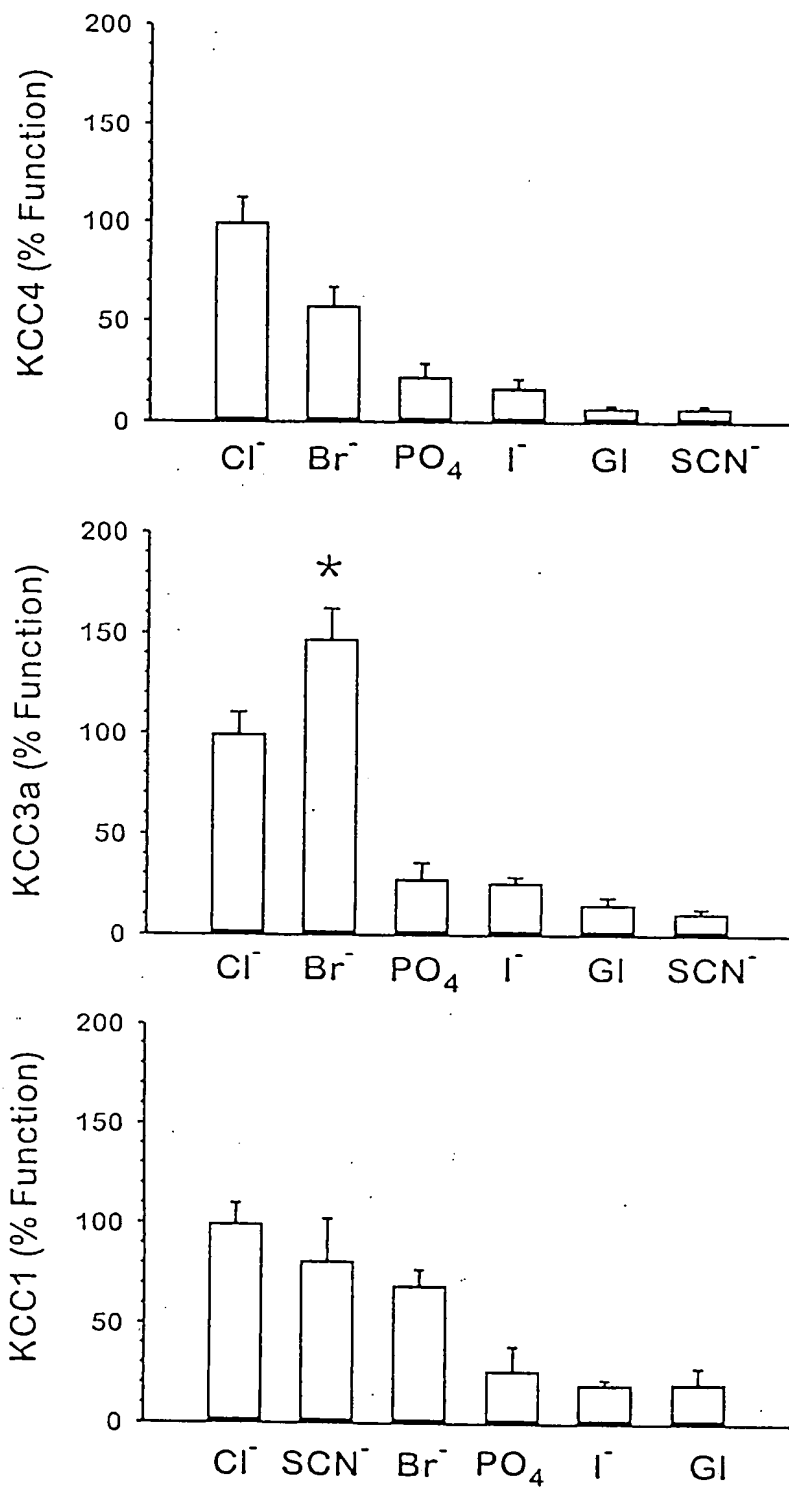
095997-0400

Figure 11



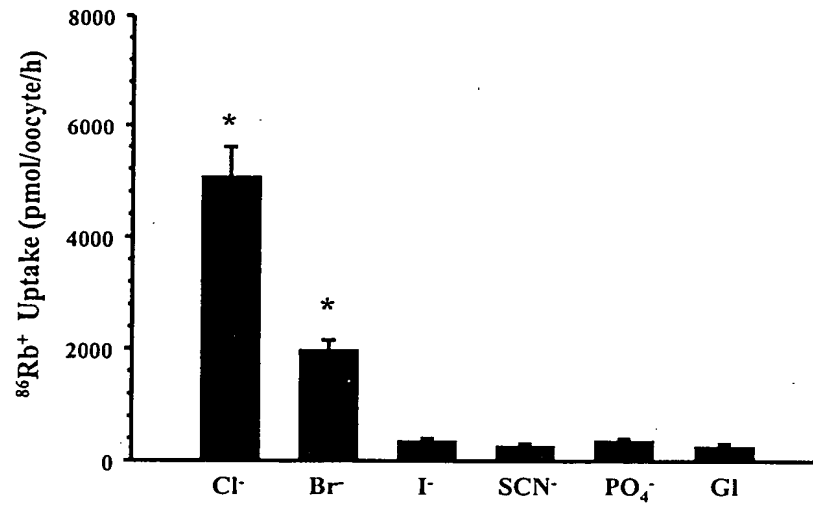
09835976-041601
1003140-9765860

Figure 12



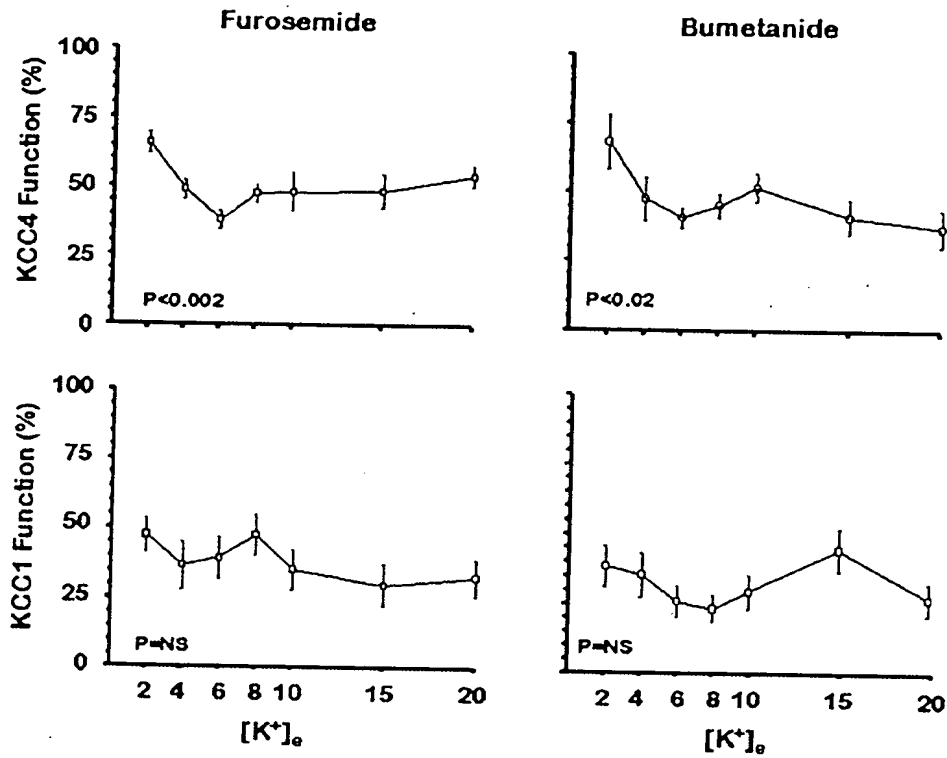
USPTO 9265860

Figure 13



09597040 265850

Figure 14



FOI# 91655860

Figure 15

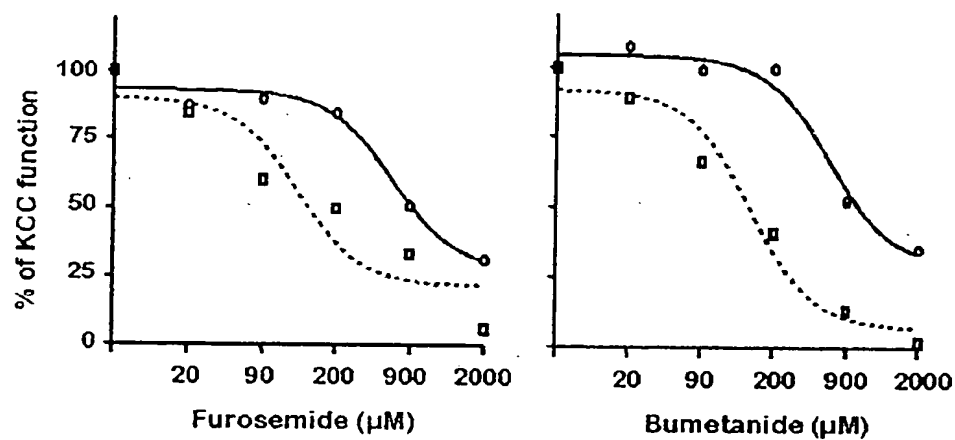


FIG. 15

Figure 16

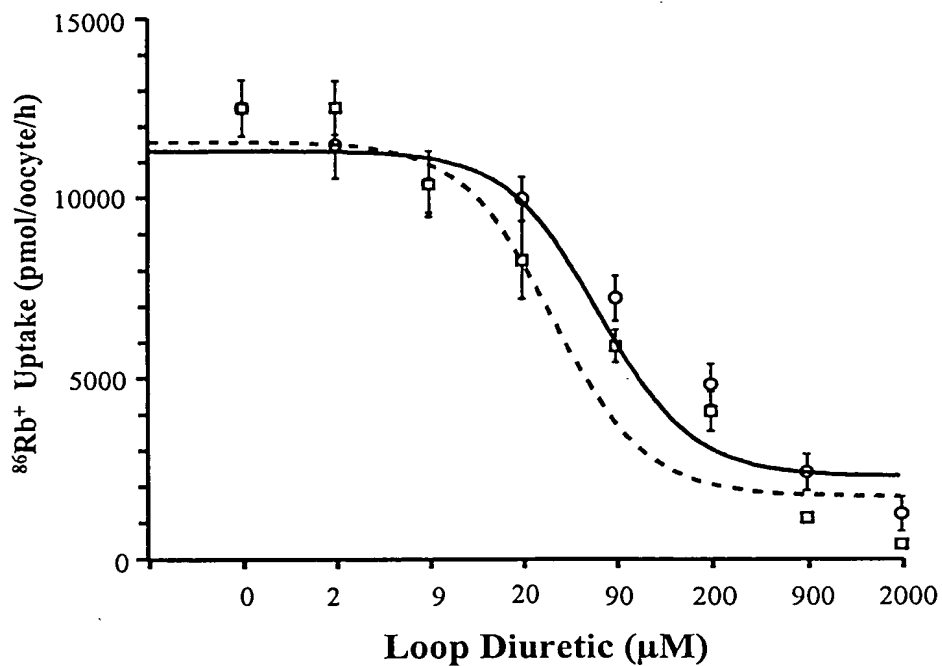
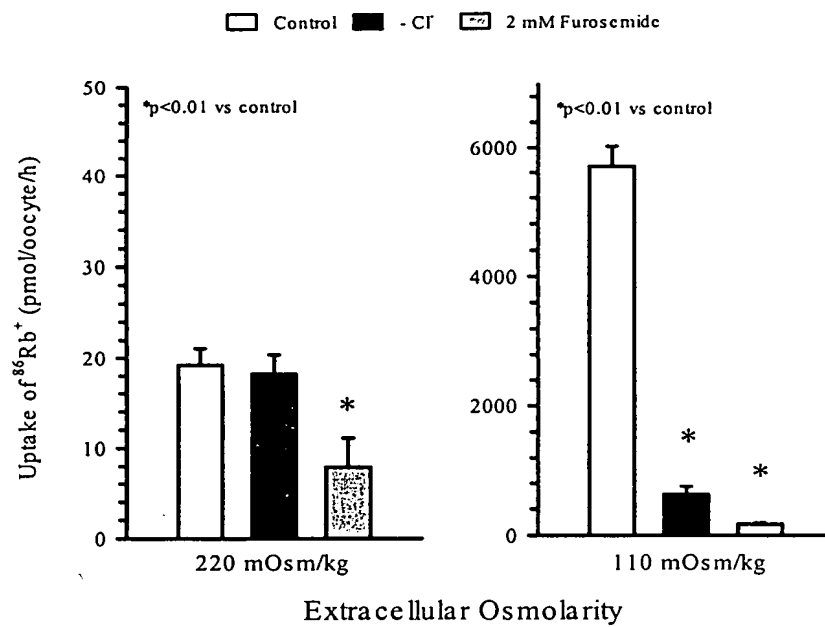


FIG. 16

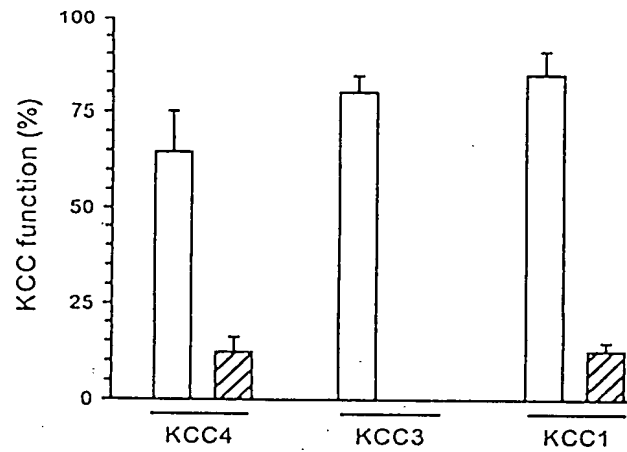
Figure 17



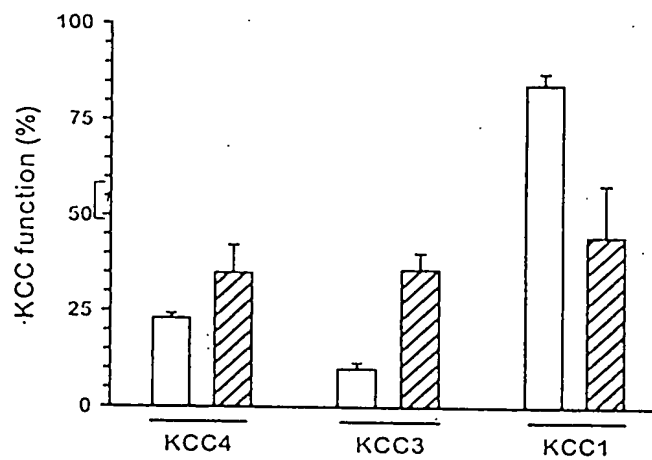
09340-345500

Figure 18

A) DIDS (100 μ M)



B) DIOA (100 μ M)



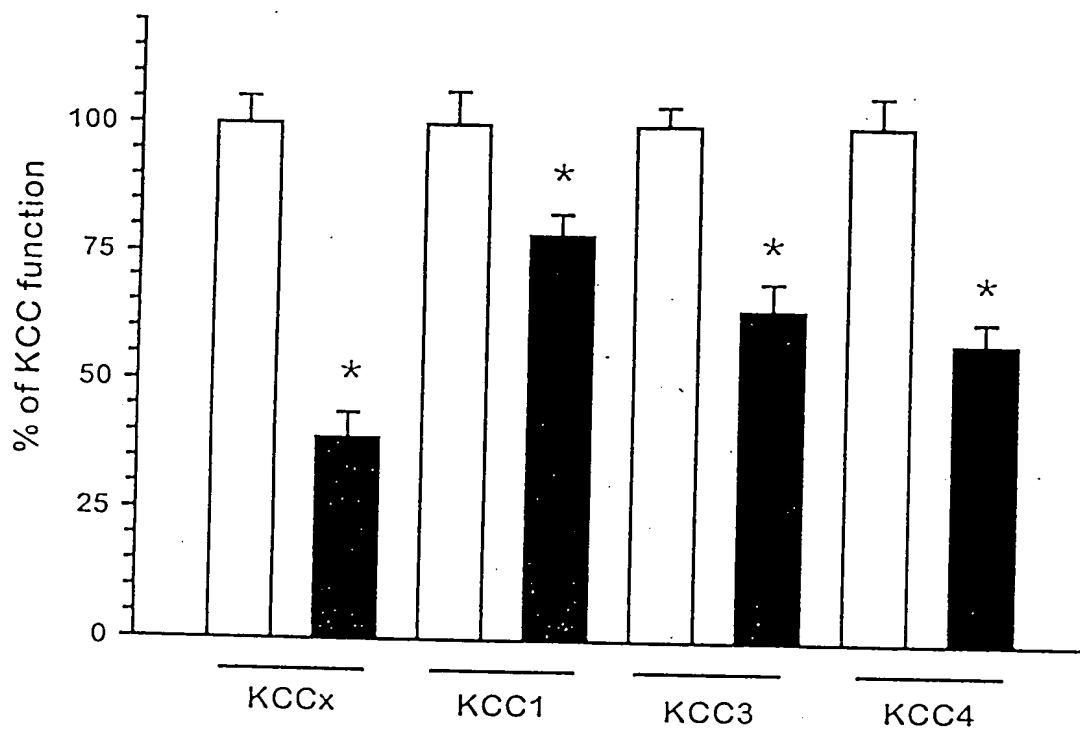
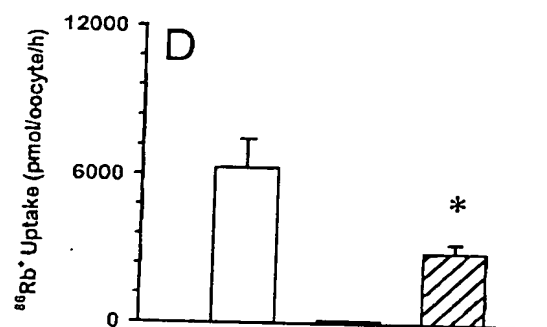
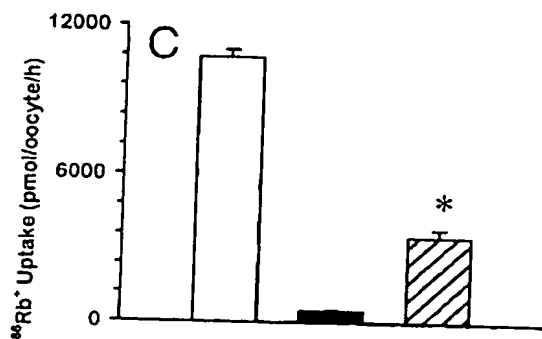
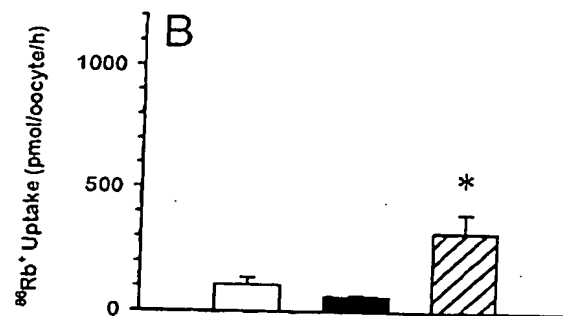
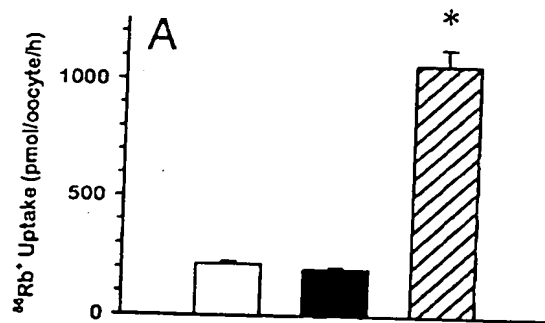


Figure 19



10340-9465660

Figure 21

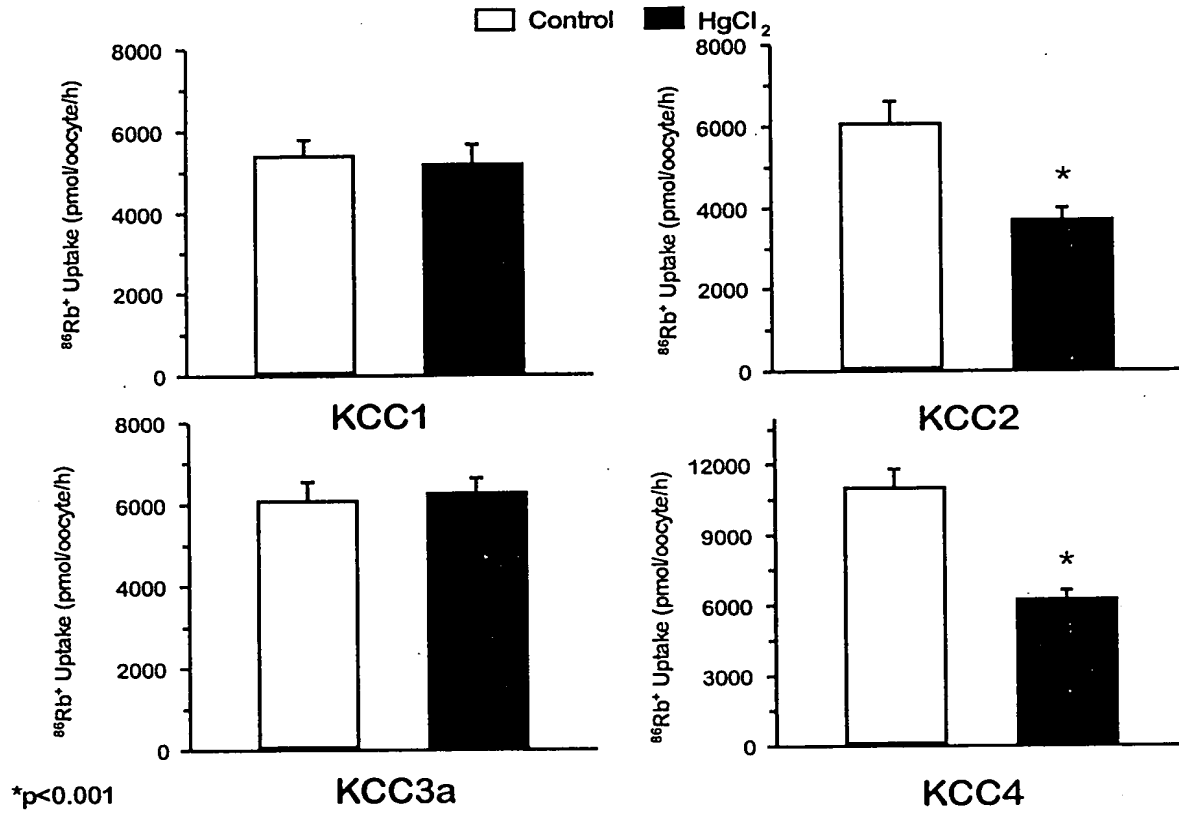
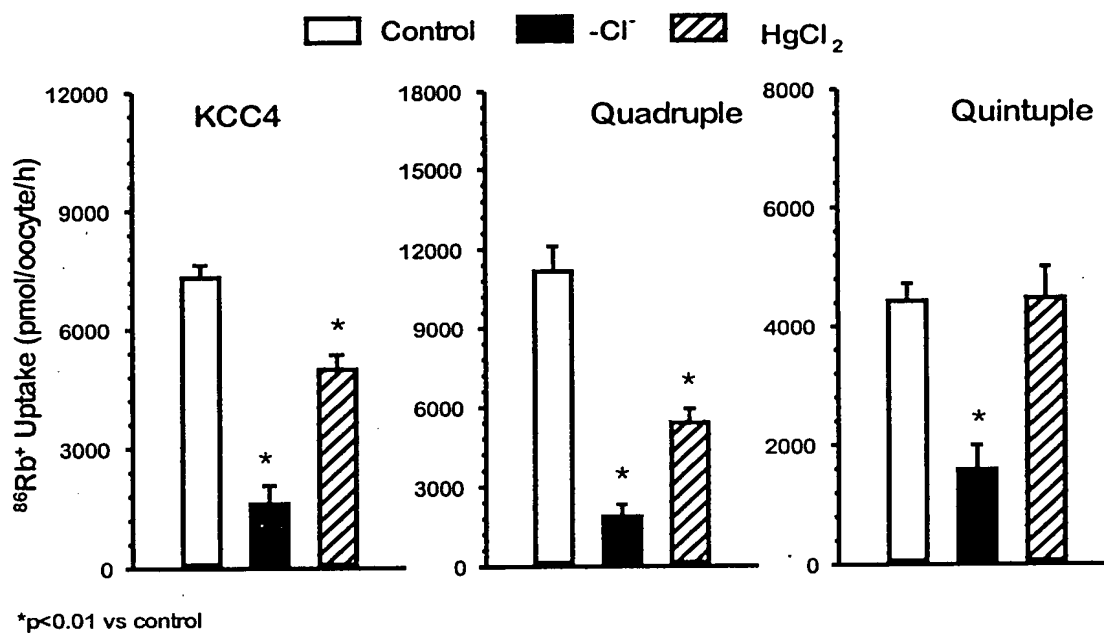


Figure 22



FOIA b 7 - D

FIG. 40

Figure 23

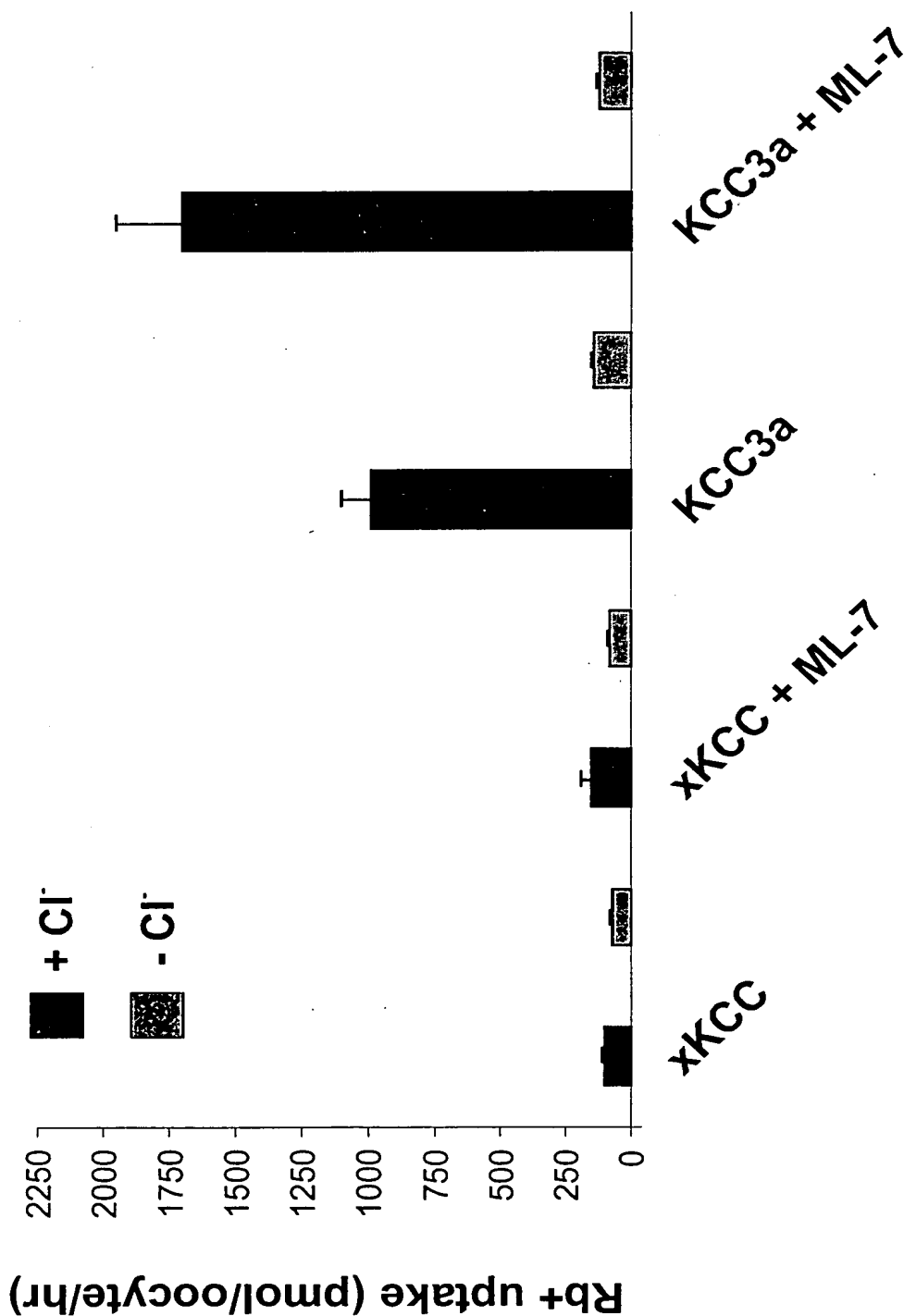
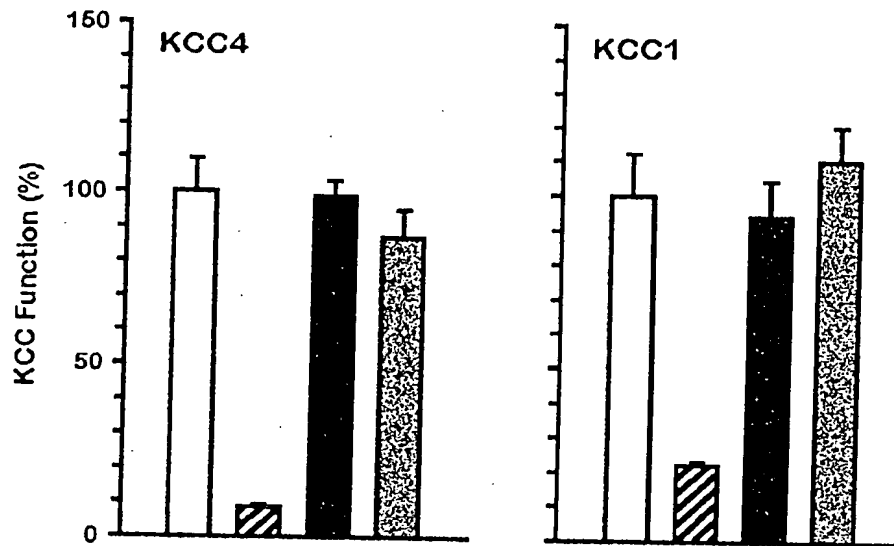
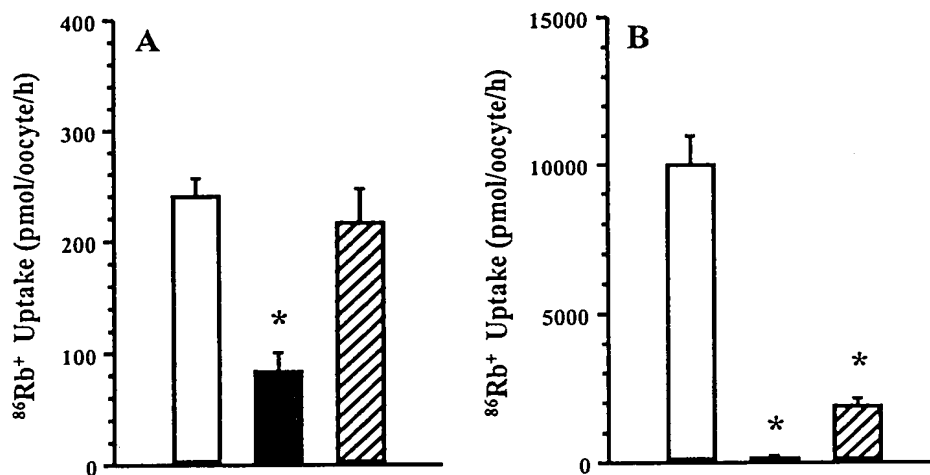


Figure 24



093597-04-001

Figure 25



093597.04160
TOTAL 9/55E860

Figure 26

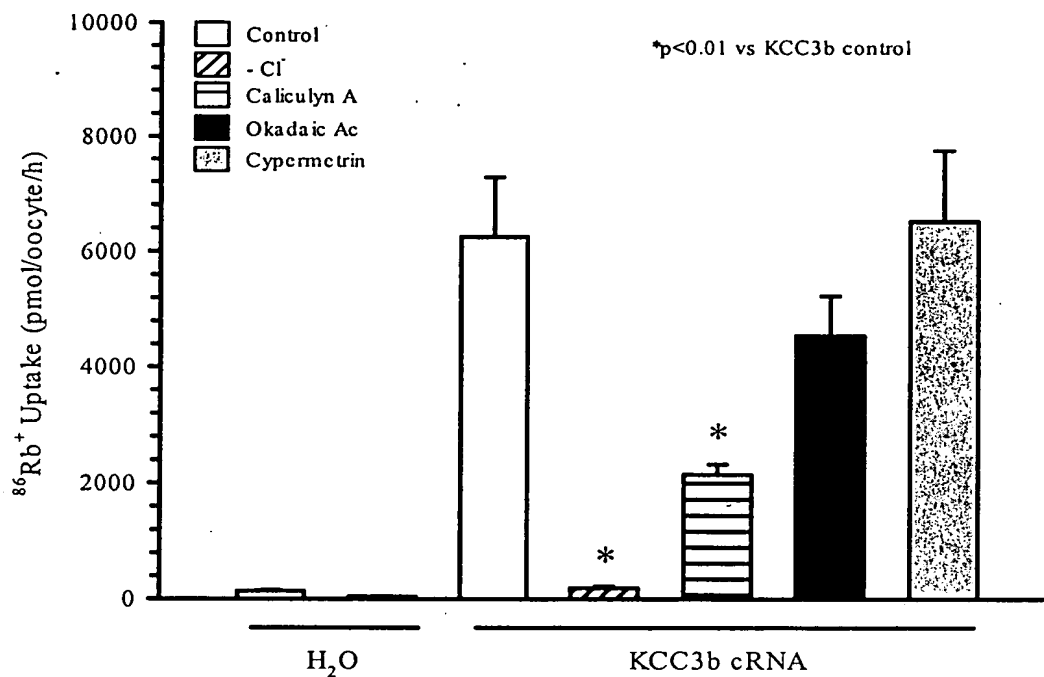
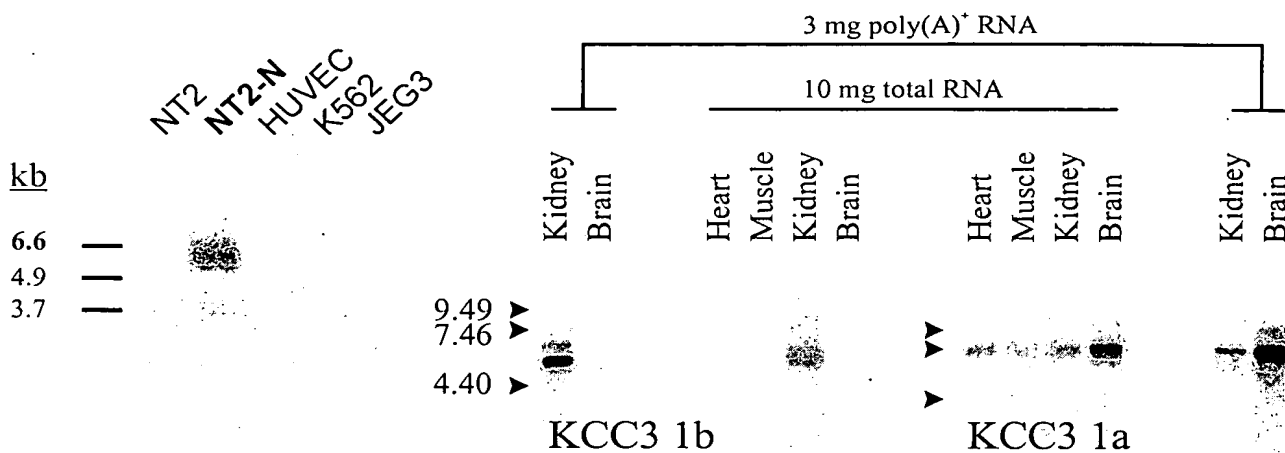


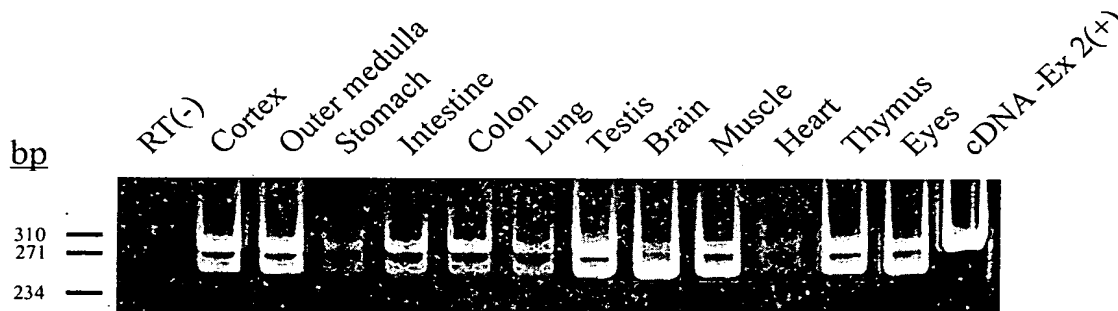
Figure 27

A) KCC2/NT2-N

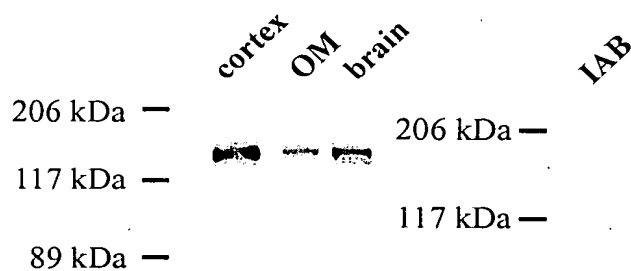
B) Mouse KCC3



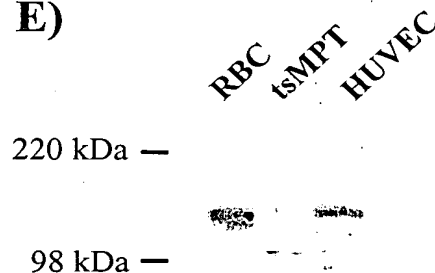
C)



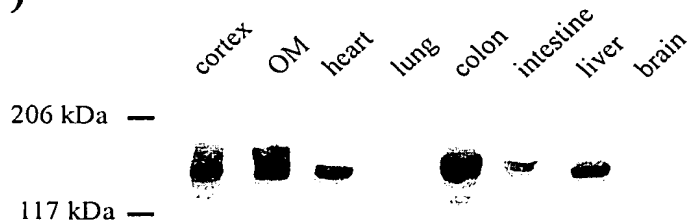
D)



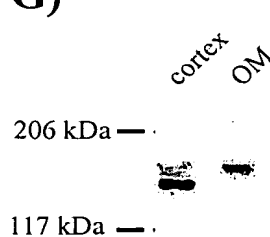
E)



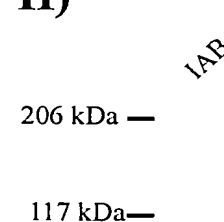
F)



G)



H)



FOOT-9255360

Figure 27 (cont.)

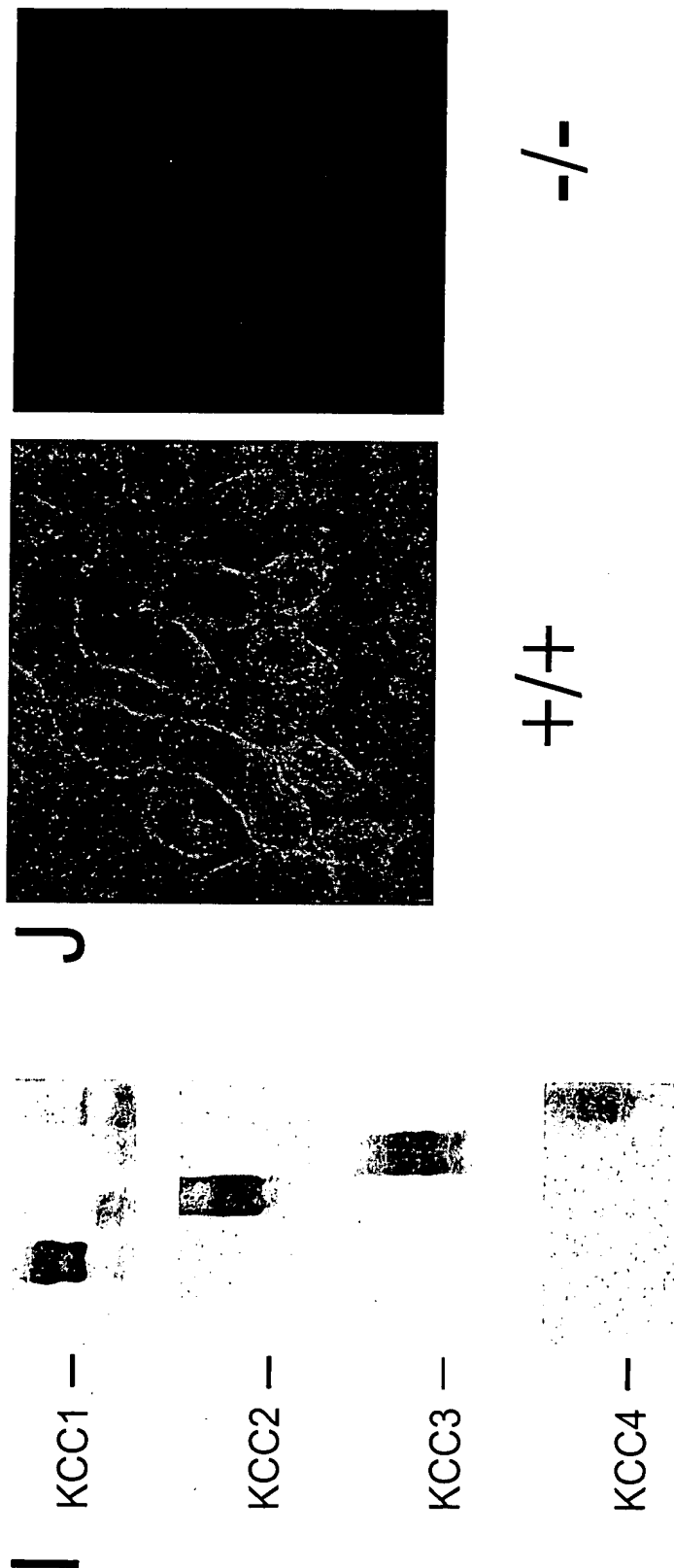
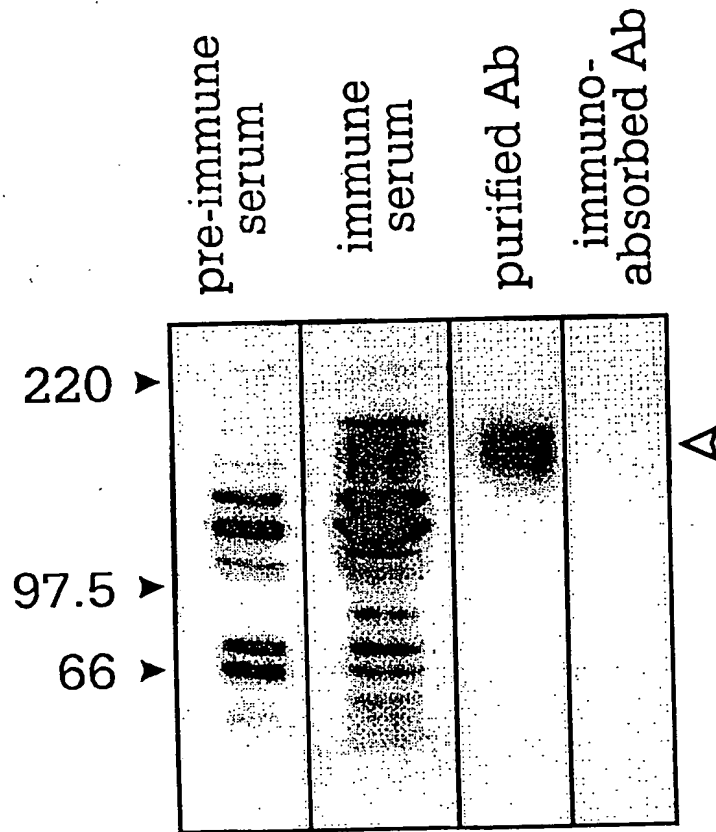


Figure 28



FOI40-965860

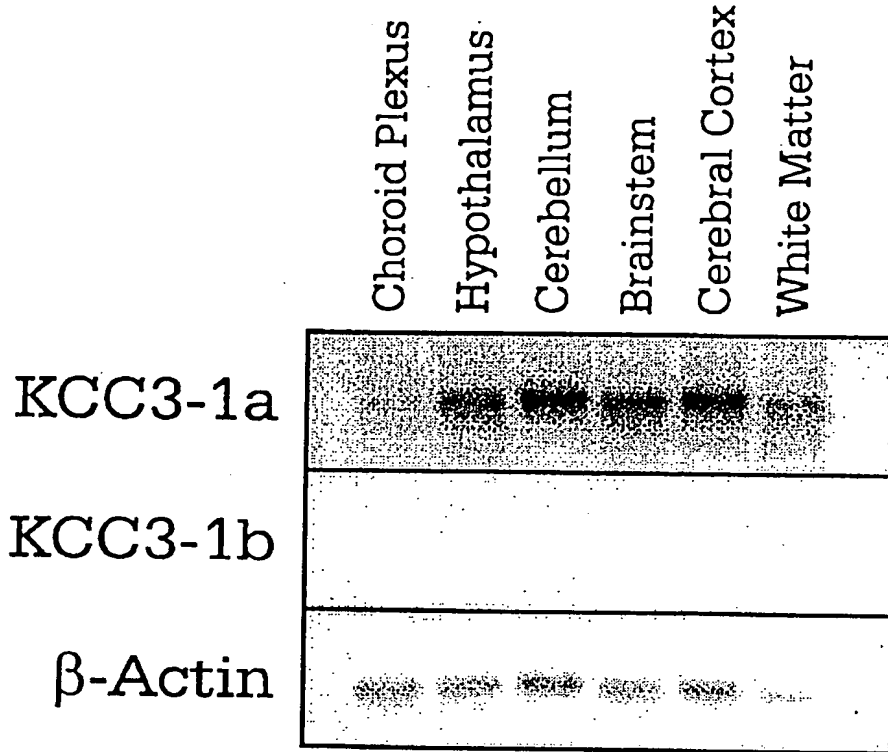
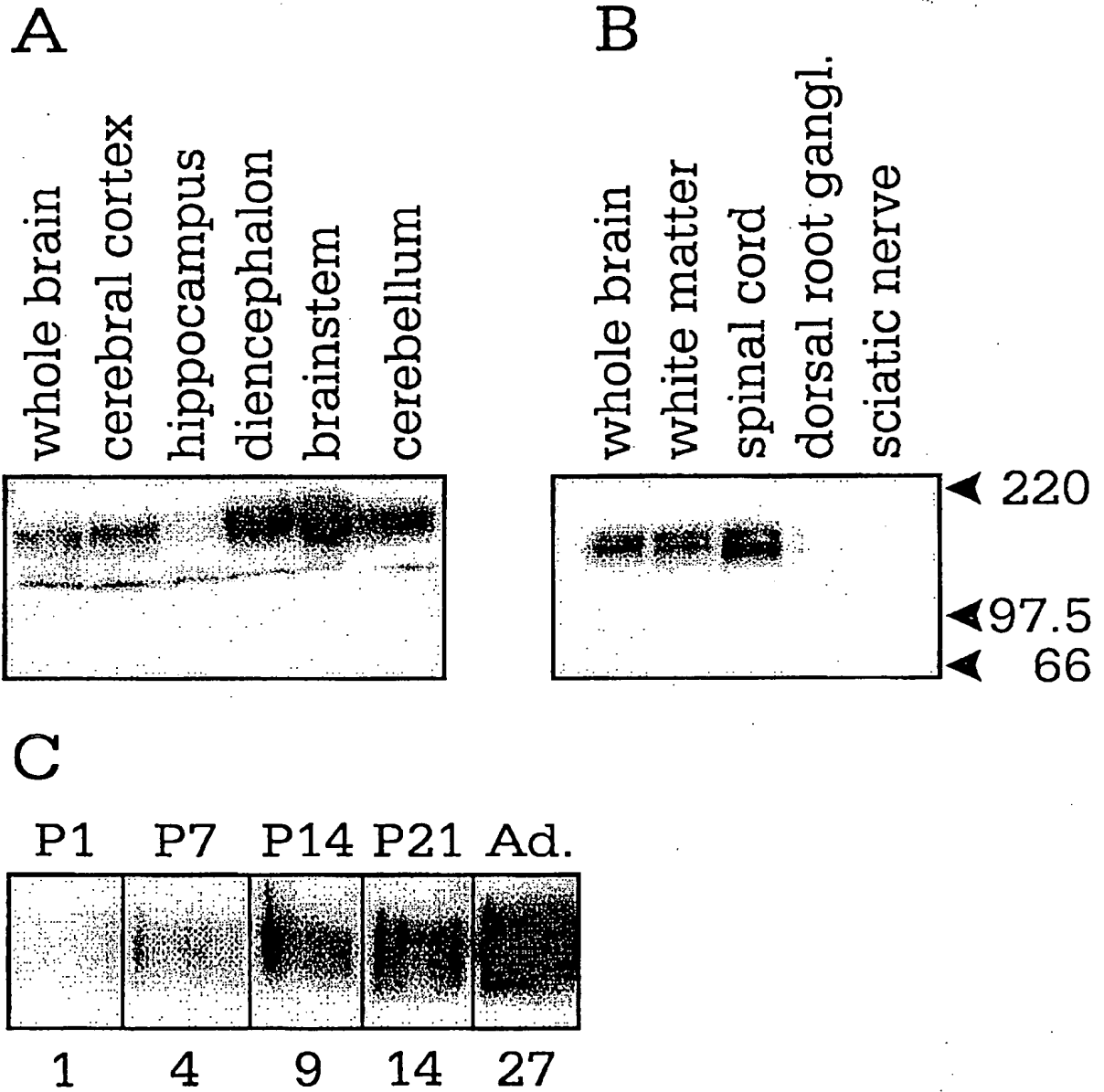


Figure 29



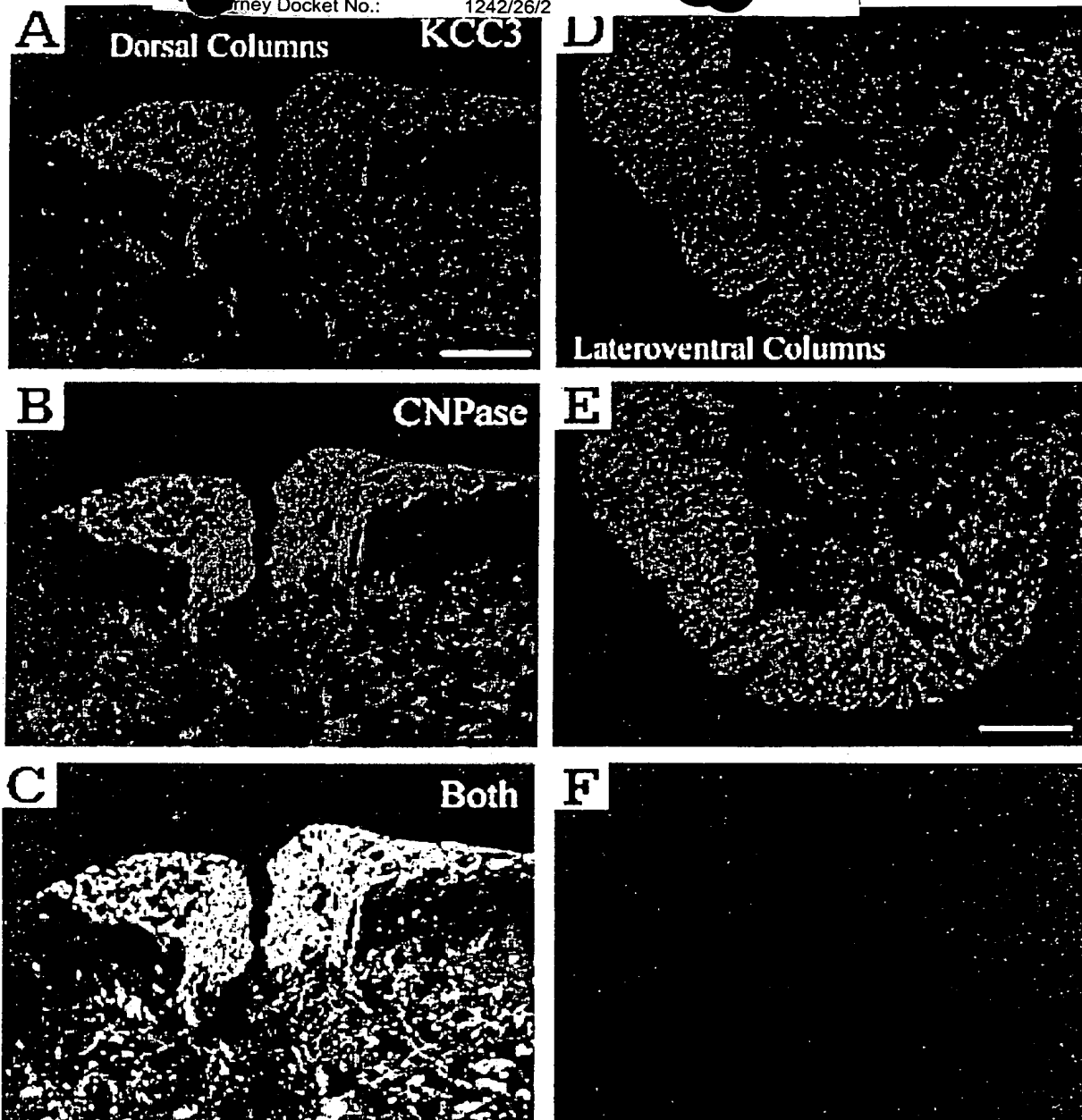


Figure 31

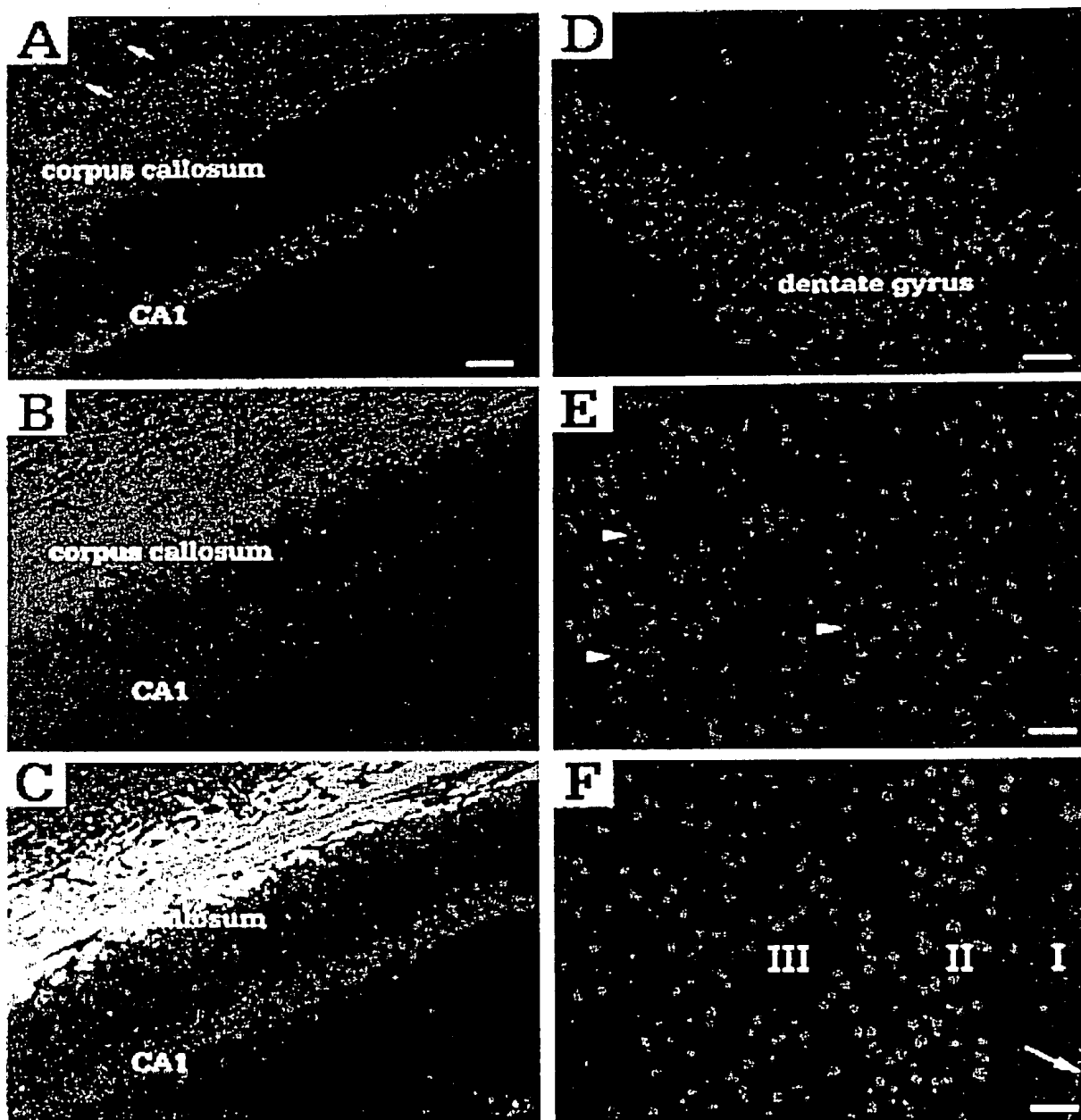
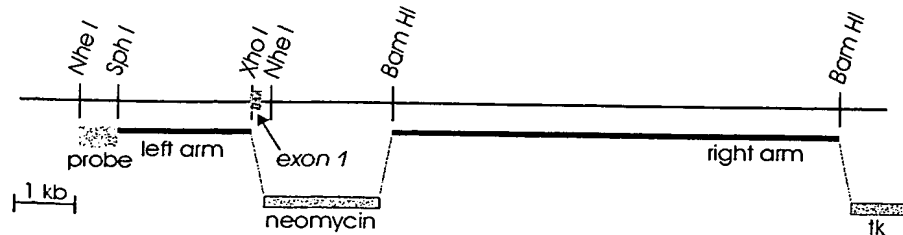


Figure 32

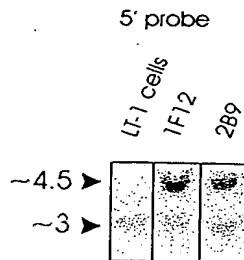
09855976-041E01
T09T40-9265E860

Figure 33

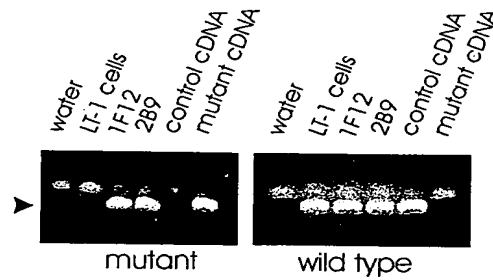
A) Targeting strategy



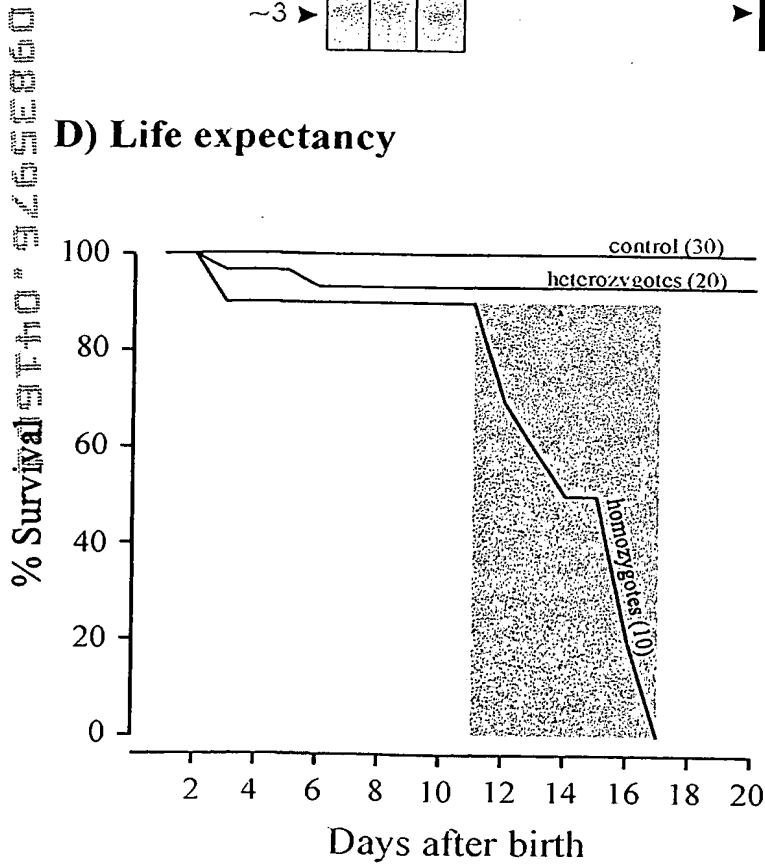
B) Southern



C) PCR



D) Life expectancy



E) Seizure disorder

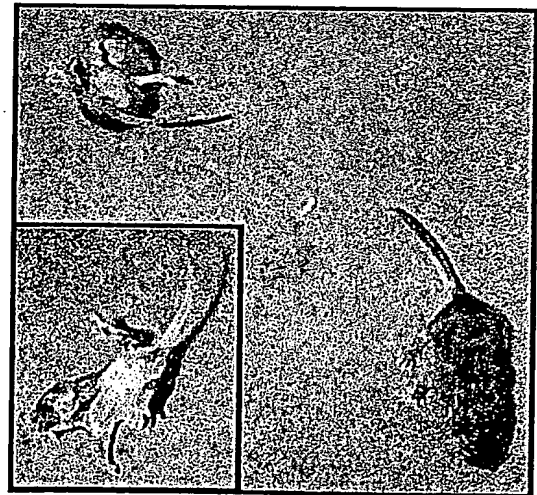


Figure 34

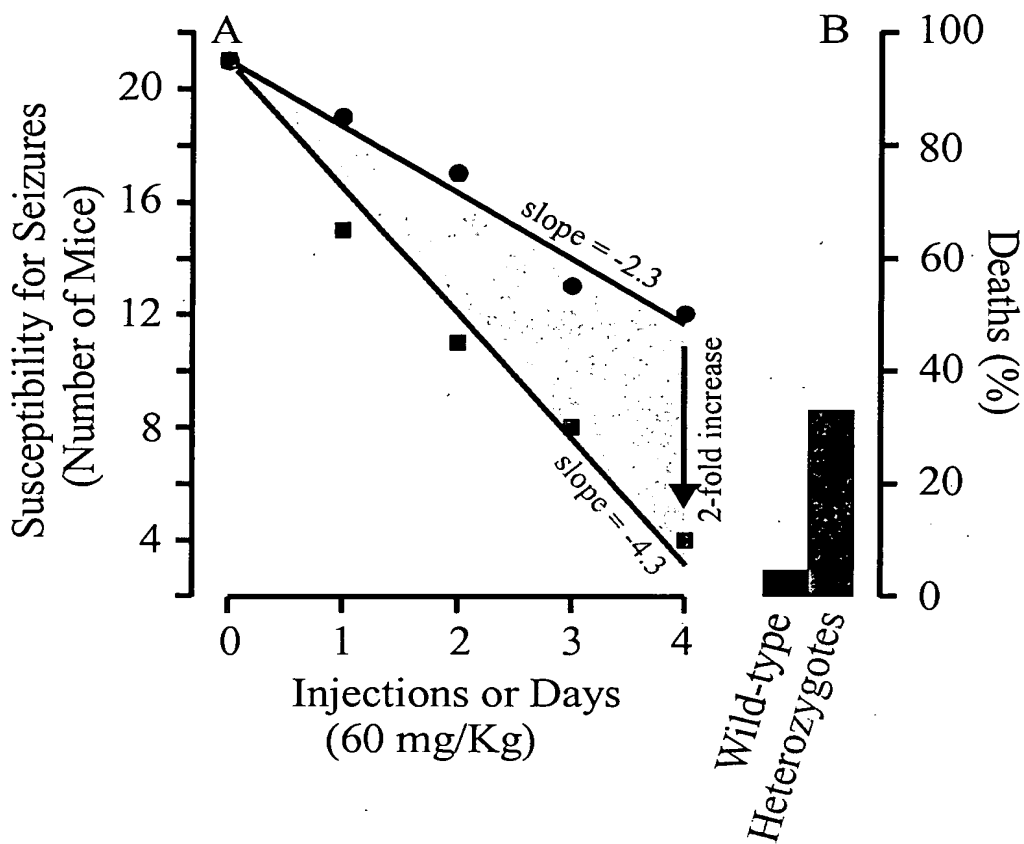


Figure 35

KCC3 Construct

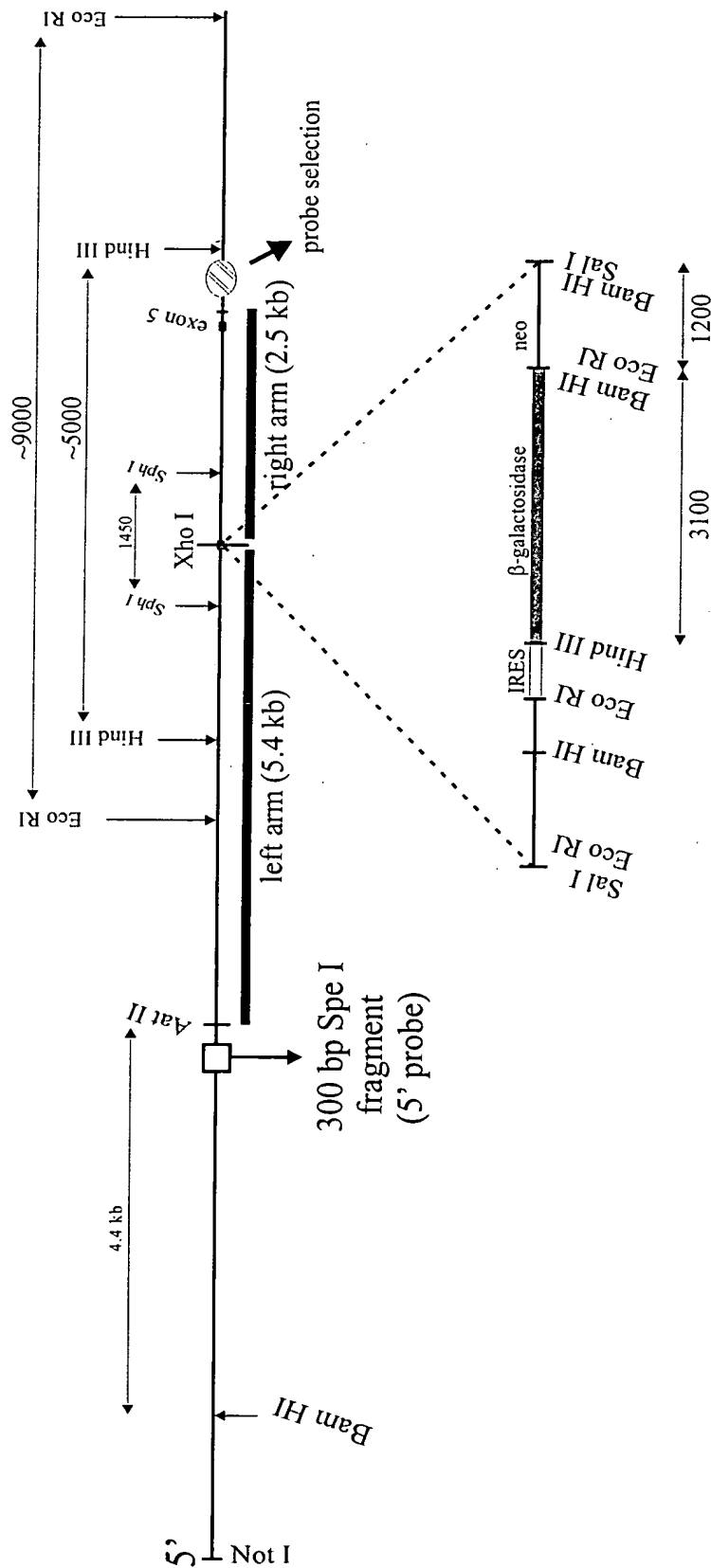


Figure 36

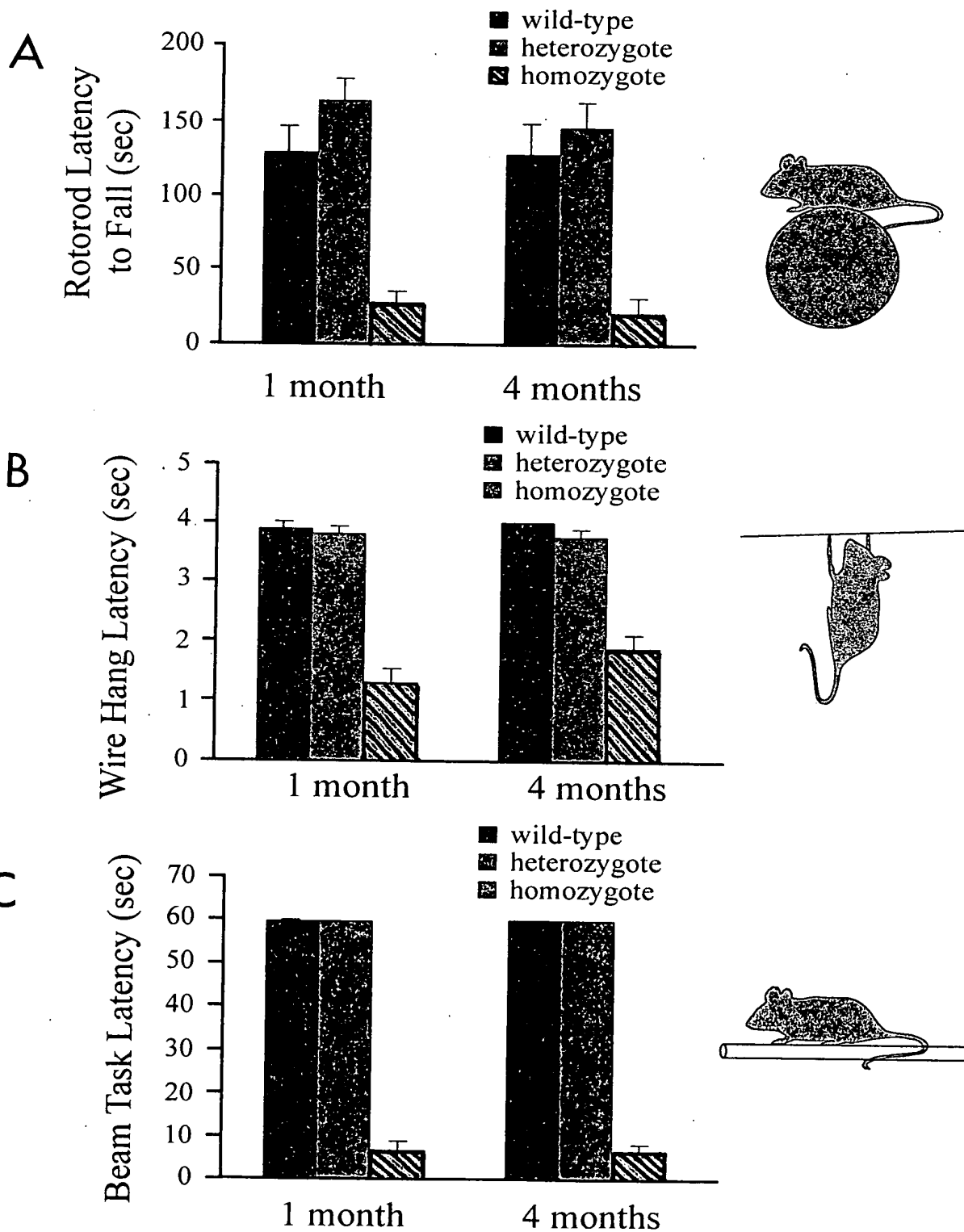


Figure 37

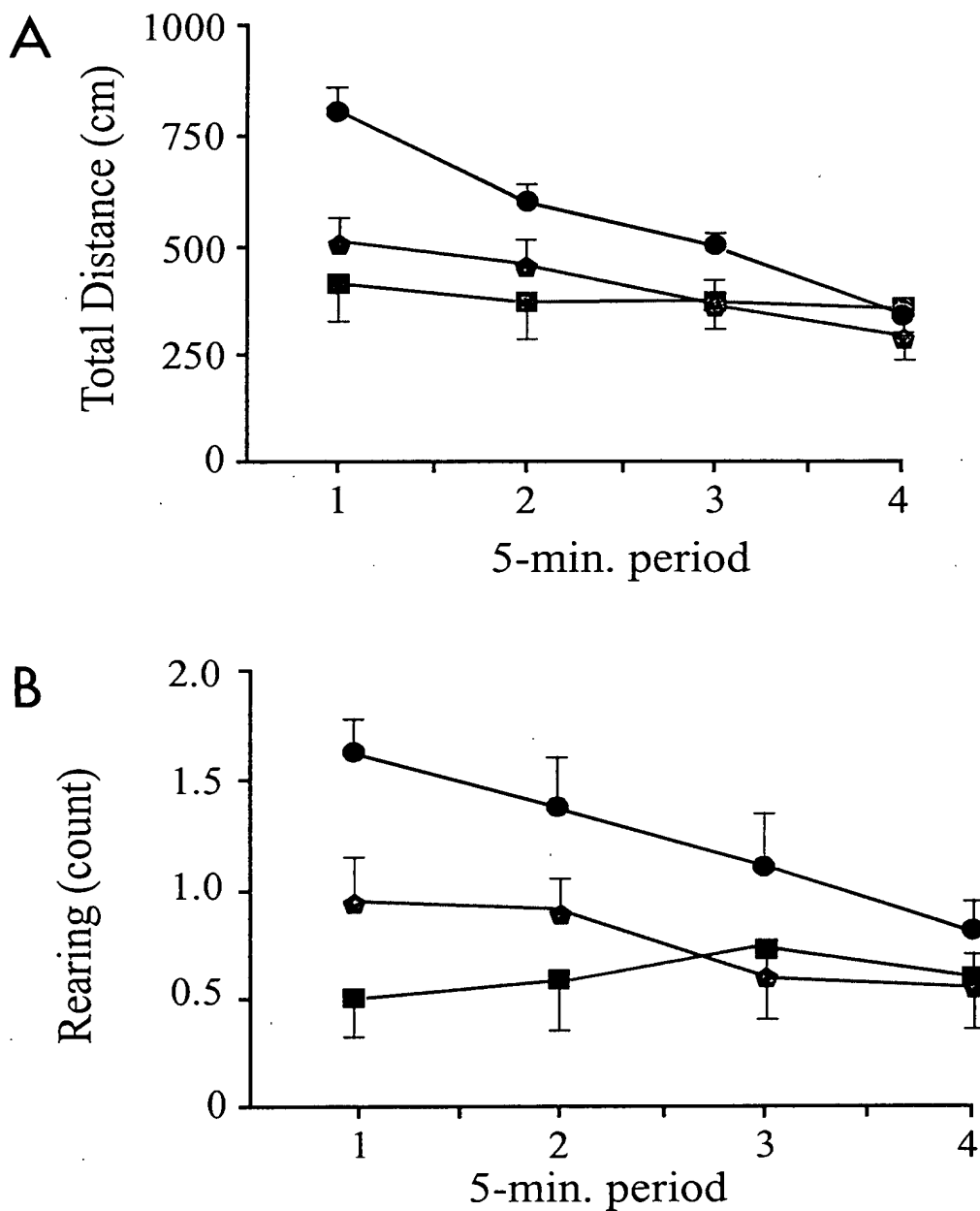


Figure 38

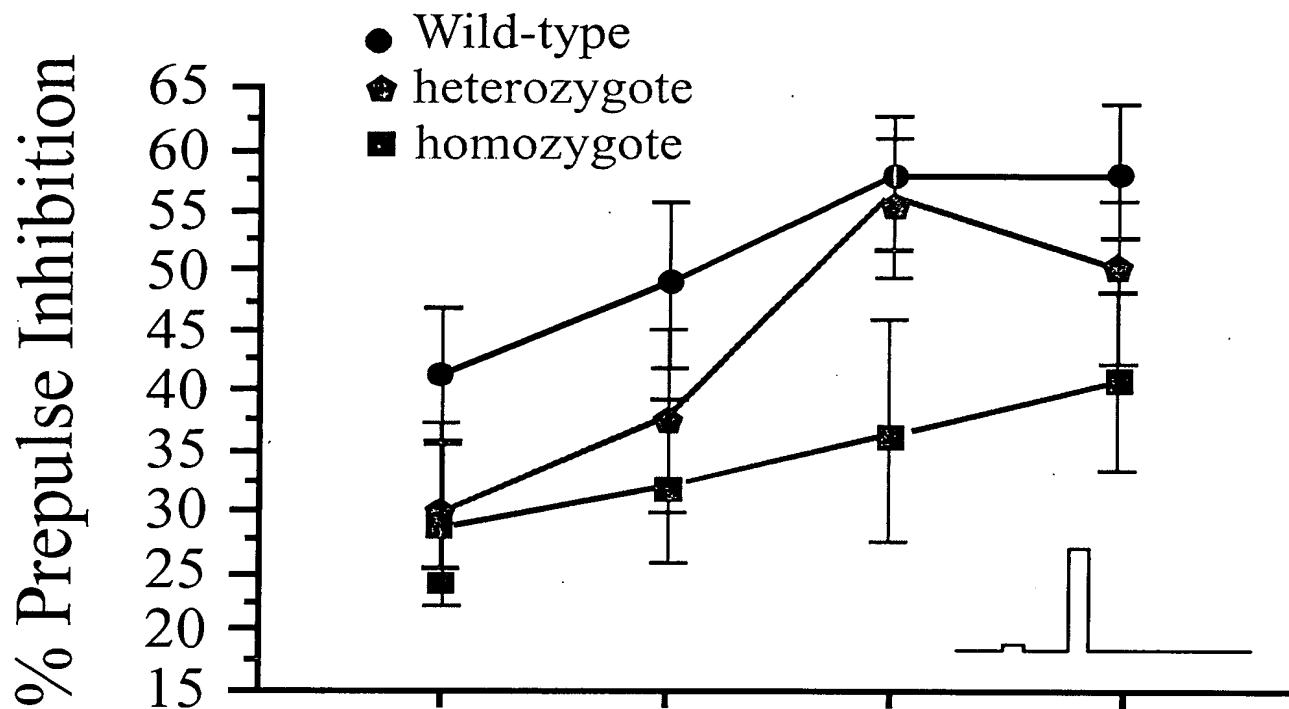
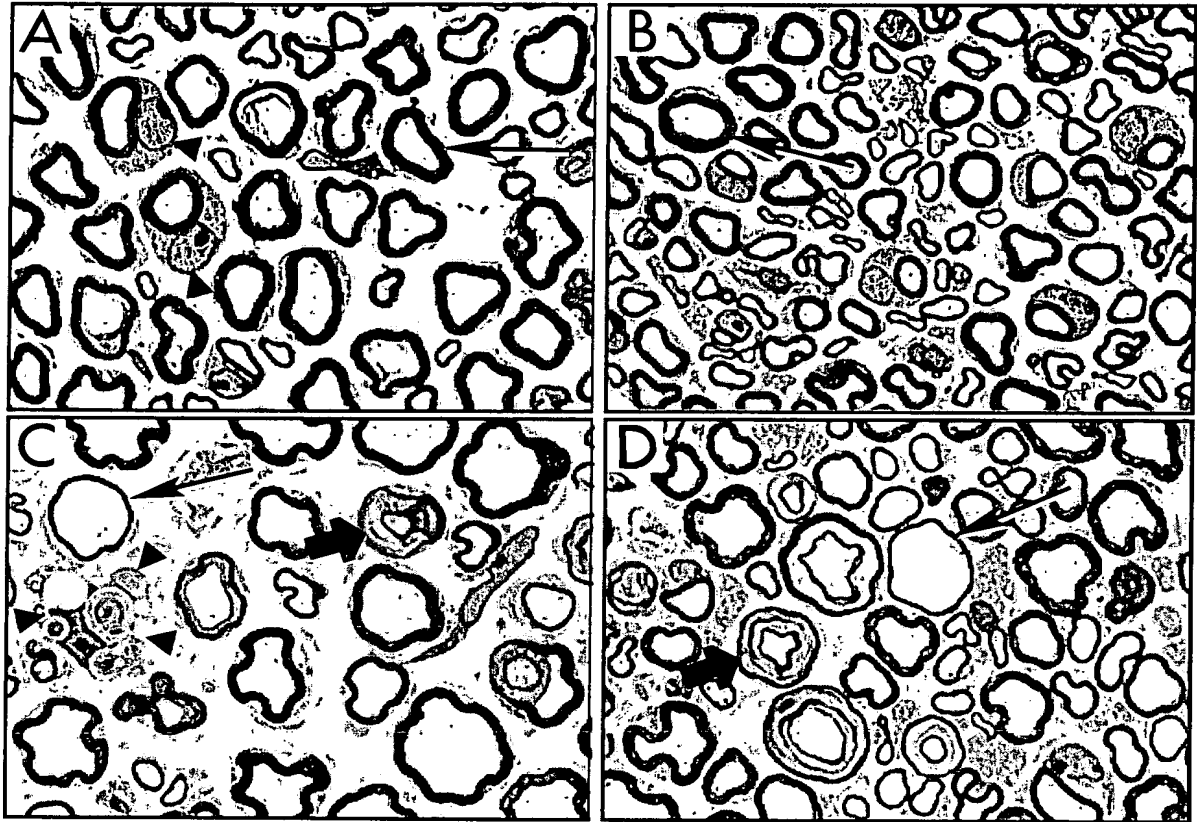


Figure 39



0935976-041601

Figure 40

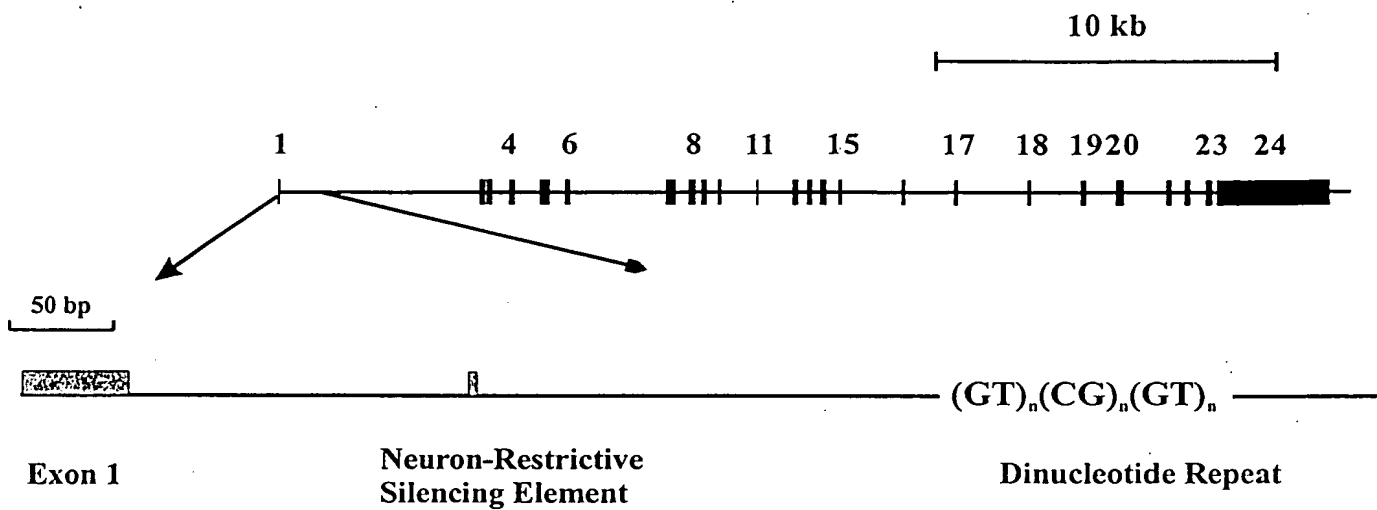


FIG. 40

Sequence of the hKCC2 dinucleotide repeat in several individuals:

Sample 1:

Allele A (GT)₁₈ (GC)₇ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 84

Allele B (GT)₁₆ (GC)₅ (AT)₁ (GT)₅ (GC)₁ (GT)₉ / Total = 74

Sample 2:

Allele A (GT)₁₈ (GC)₄ (AT)₂ (GT)₄ (GC)₂ (GT)₁₁ / Total = 82

Sample 3:

Allele A (GT)₁₆ (GC)₆ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 78

Allele B (GT)₁₄ (GC)₅ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 72

Sample 4:

Allele A (GT)₁₉ (GC)₆ (AT)₂ (GT)₄ (GC)₂ (GT)₁₀ / Total = 86

Allele B (GT)₁₇ (GC)₇ (AT)₂ (GT)₄ (GC)₂ (GT)₁₀ / Total = 84

Sample 5:

Allele A (GT)₁₇ (GC)₆ (AT)₂ (GT)₄ (GC)₁ (GT)₁₀ / Total = 80

Allele B (GT)₁₆ (GC)₆ (AT)₂ (GT)₃ (GC)₂ (GT)₁₀ / Total = 78

Sample 6:

Allele A (GT)₁₅ (GC)₆ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 76

Allele B (GT)₁₆ (GC)₅ (GT)₁ (AT)₁ (GT)₄ (GC)₁ (GT)₁₁ / Total = 78

Sample 7:

Allele A (GT)₁₆ (GC)₄ (GT)₁ (AT)₁ (GT)₅ (GC)₁ (GT)₁₀ / Total = 76

Figure 41

FOI40-9265850